MIO-FESTLEGUNG: IMPFPASS

FESTLEGUNG GEMÄSS § 291B ABSATZ 1 SATZ 7 SGB V

Gemäß § 291b Absatz 1 Satz 7 SGB V trifft die KBV die notwendigen Festlegungen für die Inhalte der elektronischen Patientenakte nach § 291a Absatz 3 Satz 1 Nummer 4, um deren semantische und syntaktische Interoperabilität zu gewährleisten. Die Festlegung erfolgt in einem strukturierten Prozess gemäß der Verfahrensordnung im Benehmen mit Organisationen des Gesundheitswesens.

Der Vorstand der KBV trifft folgende Festlegung:

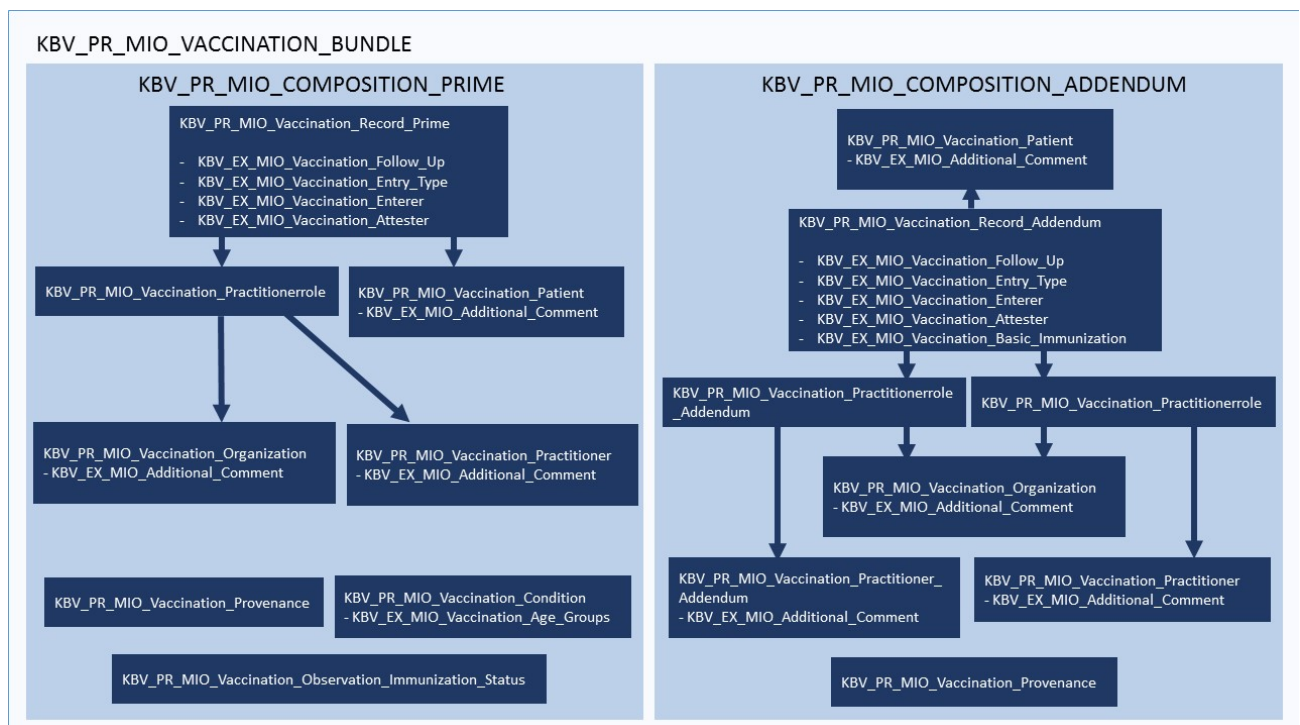# ARTIKEL 1 - ÜBERGREIFENDE FESTLEGUNGEN ZU FHIR®

Übergreifend für alle FHIR®-Ressourcen gelten die nachfolgenden Festlegungen:

1. FESTLEGUNG DER IN DER EPA ZU SPEICHERNDE FHIR®-RESSOURCEN

Das Bundle KBV_PR_MIO_Vaccination_Bundle_Entry ist die einzige Ressource, welche in der elektronischen Patientenakte (ePA) als medizinisches Informationsobjekt Impfpass gespeichert werden darf. Für diese an die ePA zu übertragende FHIR®-Ressource muss für die Umsetzung des Anwendungsszenarios "Daten eintragen" eine Composition gemäß Profil KBV_PR_MIO_Vaccination_Composition_Prime enthalten sein. Für diese an die ePA zu übertragende FHIR®-Ressource muss für die Umsetzung des Anwendungsszenarios "Daten nach- oder übertragen" eine Composition gemäß Profil KBV_PR_MIO_Vaccination_Composition_Addendum enthalten sein.

Die Compositions *KBV_PR_MIO_Vaccination_Composition_Prime* und *KBV_PR_MIO_Vaccination_Composition_Addendum* geben die Struktur des Dokumentes vor. Die Inhalte bestehen aus Verweisen auf andere Ressourcen. Da ein Dokument im juristischen Sinne vollständig und unveränderlich sein muss, wird die Composition mit allen referenzierten Ressourcen zu einem Bundle zusammengefasst (*KBV_PR_MIO_Vaccination_Bundle_Entry*).

Dieses festgelegte Zusammenspiel der Bundle, Composition und anderen FHIR®-Profilen stellen die nachfolgenden Abbildungen grafisch dar.

2. FESTLEGUNG DES FORMATS DER FHIR®-RESSOURCEN

Die in der elektronischen Patientenakte (ePA) zu speichernden FHIR®-Ressourcen weisen ein XML-Format gemäß FHIR®-Spezifikation R4 auf.

3. FESTLEGUNG ZUR NUTZUNG VON MUST-SUPPORT

Als Must-Support deklarierte Elemente müssen durch jedes System, welches diese Spezifikation implementiert, unterstützt werden. Das bedeutet, dass das jeweilige System diese interpretieren und verarbeiten können muss. Die Deklarierung als Must-Support wird, wie in der Beispielabbildung dargestellt, durch eine rotes S gekennzeichnet.

Beispielabbildung

ARTIKEL 2 - FESTLEGUNG DER FHIR®-RESSOURCEN

1. KBV_PR_MIO_VACCINATION_BUNDLE_ENTRY

KBV_PR_MIO_Vaccination_Bundle_Entry

```
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Bundle_Entry" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Bundle_Entry" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="v2" />
12          <uri value="http://hl7.org/v2" />
13          <name value="HL7 v2 Mapping" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="cda" />
22          <uri value="http://hl7.org/v3/cda" />
23          <name value="CDA (R2)" />
24      </mapping>
25      <mapping>
26          <identity value="w5" />
27          <uri value="http://hl7.org/fhir/fivews" />
28          <name value="FiveWs Pattern Mapping" />
29      </mapping>
30      <kind value="resource" />
31      <abstract value="false" />
32      <type value="Bundle" />
33      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Bundle" />
34      <derivation value="constraint" />
35      <differential>
36          <element id="Bundle">
37              <path value="Bundle" />
38              <definition value="Dieses Profil dient als bündelndes Element.
    Das Bundle kann als Klammer-Ressource verstanden werden, die die
    notwendigen Ressourcen zusammenfügt. Diese Ressource und die Integrierten
    können dann mit einer Signatur versehen werden.\n\nDas Bundle umfasst in
    dieser Anwendung einen oder mehrere Impfeinträge, also Impfzeilen. Diese
    können aus einer aktuellen Impfung stammen oder nachgetragen werden." />
39              <constraint>
40                  <key value="TypeComposition" />
41                  <severity value="error" />
42                  <human value="Es muss genau eine Composition_Initial oder
    Composition_Addendum enthalten sein" />
```

```xml
                        <expression value="entry.where(meta.profile='https://
fhir.kbv.de/StructureDefinition/KBV_PR_MIO_Vaccination_Composition_Prime'
or meta.profile='https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Composition_Addendum').isDistinct()" />
                        <source value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Bundle_Entry" />
                </constraint>
                <constraint>
                        <key value="OneComposition" />
                        <severity value="error" />
                        <human value="Es darf genau eine Composition geben" />
                        <expression value="entry.where(ofType(Composition)).isDisti
nct()" />
                        <source value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Bundle_Entry" />
                </constraint>
                <constraint>
                        <key value="UUID" />
                        <severity value="error" />
                        <human value="Es soll eine UUID verwendet werden." />
                        <expression value="identifer.system.startsWith('urn:uuid:')
" />
                        <source value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Bundle_Entry" />
                </constraint>
        </element>
        <element id="Bundle.id">
                <path value="Bundle.id" />
                <min value="1" />
        </element>
        <element id="Bundle.meta">
                <path value="Bundle.meta" />
                <min value="1" />
        </element>
        <element id="Bundle.meta.versionId">
                <path value="Bundle.meta.versionId" />
                <max value="0" />
        </element>
        <element id="Bundle.meta.source">
                <path value="Bundle.meta.source" />
                <max value="0" />
        </element>
        <element id="Bundle.meta.profile">
                <path value="Bundle.meta.profile" />
                <min value="1" />
                <max value="1" />
                <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Bundle_Entry|1.00.000" />
        </element>
        <element id="Bundle.meta.security">
                <path value="Bundle.meta.security" />
                <max value="0" />
        </element>
        <element id="Bundle.meta.tag">
                <path value="Bundle.meta.tag" />
                <max value="0" />
        </element>
        <element id="Bundle.implicitRules">
                <path value="Bundle.implicitRules" />
                <max value="0" />
```

```xml
            </element>
            <element id="Bundle.language">
                <path value="Bundle.language" />
                <max value="0" />
            </element>
            <element id="Bundle.identifier">
                <path value="Bundle.identifier" />
                <min value="1" />
            </element>
            <element id="Bundle.identifier.use">
                <path value="Bundle.identifier.use" />
                <max value="0" />
            </element>
            <element id="Bundle.identifier.type">
                <path value="Bundle.identifier.type" />
                <max value="0" />
            </element>
            <element id="Bundle.identifier.system">
                <path value="Bundle.identifier.system" />
                <min value="1" />
                <fixedUri value="urn:ietf:rfc:3986" />
            </element>
            <element id="Bundle.identifier.value">
                <path value="Bundle.identifier.value" />
                <min value="1" />
            </element>
            <element id="Bundle.identifier.period">
                <path value="Bundle.identifier.period" />
                <max value="0" />
            </element>
            <element id="Bundle.identifier.assigner">
                <path value="Bundle.identifier.assigner" />
                <max value="0" />
            </element>
            <element id="Bundle.type">
                <path value="Bundle.type" />
                <fixedCode value="document" />
                <mustSupport value="true" />
            </element>
            <element id="Bundle.timestamp">
                <path value="Bundle.timestamp" />
                <min value="1" />
            </element>
            <element id="Bundle.total">
                <path value="Bundle.total" />
                <max value="0" />
            </element>
            <element id="Bundle.link">
                <path value="Bundle.link" />
                <max value="0" />
            </element>
            <element id="Bundle.entry">
                <path value="Bundle.entry" />
                <min value="1" />
                <mustSupport value="true" />
            </element>
            <element id="Bundle.entry.link">
                <path value="Bundle.entry.link" />
                <max value="0" />
            </element>
```

```xml
            <element id="Bundle.entry.fullUrl">
                <path value="Bundle.entry.fullUrl" />
                <min value="1" />
            </element>
            <element id="Bundle.entry.resource">
                <path value="Bundle.entry.resource" />
                <min value="1" />
            </element>
            <element id="Bundle.entry.search">
                <path value="Bundle.entry.search" />
                <max value="0" />
            </element>
            <element id="Bundle.entry.request">
                <path value="Bundle.entry.request" />
                <max value="0" />
            </element>
            <element id="Bundle.entry.response">
                <path value="Bundle.entry.response" />
                <max value="0" />
            </element>
            <element id="Bundle.signature">
                <path value="Bundle.signature" />
                <max value="0" />
            </element>
        </differential>
    </StructureDefinition>
```

2. KBV_PR_MIO_VACCINATION_COMPOSITION_PRIME

KBV_PR_MIO_Vaccination_Composition_Prime

```
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Composition_Prime" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Composition_Prime" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="workflow" />
12          <uri value="http://hl7.org/fhir/workflow" />
13          <name value="Workflow Pattern" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="cda" />
22          <uri value="http://hl7.org/v3/cda" />
23          <name value="CDA (R2)" />
24      </mapping>
25      <mapping>
26          <identity value="fhirdocumentreference" />
27          <uri value="http://hl7.org/fhir/documentreference" />
28          <name value="FHIR DocumentReference" />
29      </mapping>
30      <mapping>
31          <identity value="w5" />
32          <uri value="http://hl7.org/fhir/fivews" />
33          <name value="FiveWs Pattern Mapping" />
34      </mapping>
35      <kind value="resource" />
36      <abstract value="false" />
37      <type value="Composition" />
38      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Composition" />
39      <derivation value="constraint" />
40      <differential>
41          <element id="Composition">
42              <path value="Composition" />
43              <definition value="Dieses Profil dient als Übersichtsdokument.
    Es kann als eine Art Inhaltsverzeichnis des digitalen Dokumentes verstanden
    werden. Die zu dem Dokument Impfpass passenden Inhalte sind dort auf
    oberster Ebene beschrieben." />
44          </element>
45          <element id="Composition.id">
46              <path value="Composition.id" />
47              <min value="1" />
48          </element>
```

```xml
            <element id="Composition.meta">
                <path value="Composition.meta" />
                <min value="1" />
            </element>
            <element id="Composition.meta.versionId">
                <path value="Composition.meta.versionId" />
                <max value="0" />
            </element>
            <element id="Composition.meta.lastUpdated">
                <path value="Composition.meta.lastUpdated" />
                <max value="0" />
            </element>
            <element id="Composition.meta.source">
                <path value="Composition.meta.source" />
                <max value="0" />
            </element>
            <element id="Composition.meta.profile">
                <path value="Composition.meta.profile" />
                <min value="1" />
                <max value="1" />
                <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Composition_Prime|1.00.000" />
            </element>
            <element id="Composition.meta.security">
                <path value="Composition.meta.security" />
                <max value="0" />
            </element>
            <element id="Composition.meta.tag">
                <path value="Composition.meta.tag" />
                <max value="0" />
            </element>
            <element id="Composition.implicitRules">
                <path value="Composition.implicitRules" />
                <max value="0" />
            </element>
            <element id="Composition.language">
                <path value="Composition.language" />
                <max value="0" />
            </element>
            <element id="Composition.text.status">
                <path value="Composition.text.status" />
                <fixedCode value="extensions" />
            </element>
            <element id="Composition.contained">
                <path value="Composition.contained" />
                <max value="0" />
            </element>
            <element id="Composition.identifier">
                <path value="Composition.identifier" />
                <max value="0" />
            </element>
            <element id="Composition.status">
                <path value="Composition.status" />
                <fixedCode value="final" />
            </element>
            <element id="Composition.type">
                <path value="Composition.type" />
                <definition value="Code aus dem Profil IHE Immunization Content
(IC) zur Beschreibung der History of Immunization" />
                <mustSupport value="true" />
```

```
107                </element>
108                <element id="Composition.type.coding">
109                    <path value="Composition.type.coding" />
110                    <min value="1" />
111                    <max value="1" />
112                </element>
113                <element id="Composition.type.coding.system">
114                    <path value="Composition.type.coding.system" />
115                    <min value="1" />
116                    <fixedUri value="http://loinc.org" />
117                </element>
118                <element id="Composition.type.coding.code">
119                    <path value="Composition.type.coding.code" />
120                    <min value="1" />
121                    <fixedCode value="11369-6" />
122                </element>
123                <element id="Composition.type.coding.display">
124                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
125                        <valueBoolean value="true" />
126                    </extension>
127                    <path value="Composition.type.coding.display" />
128                    <min value="1" />
129                    <fixedString value="HISTORY OF IMMUNIZATIONS" />
130                </element>
131                <element id="Composition.type.coding.userSelected">
132                    <path value="Composition.type.coding.userSelected" />
133                    <max value="0" />
134                </element>
135                <element id="Composition.type.text">
136                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
137                        <valueBoolean value="true" />
138                    </extension>
139                    <path value="Composition.type.text" />
140                    <max value="0" />
141                </element>
142                <element id="Composition.category">
143                    <path value="Composition.category" />
144                    <max value="0" />
145                </element>
146                <element id="Composition.subject">
147                    <path value="Composition.subject" />
148                    <min value="1" />
149                    <type>
150                        <code value="Reference" />
151                        <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
152                    </type>
153                    <mustSupport value="true" />
154                </element>
155                <element id="Composition.subject.reference">
156                    <path value="Composition.subject.reference" />
157                    <min value="1" />
158                </element>
159                <element id="Composition.subject.type">
160                    <path value="Composition.subject.type" />
161                    <max value="0" />
162                </element>
163                <element id="Composition.subject.identifier">
```

```
164              <path value="Composition.subject.identifier" />
165              <max value="0" />
166          </element>
167          <element id="Composition.subject.display">
168              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
169                  <valueBoolean value="true" />
170              </extension>
171              <path value="Composition.subject.display" />
172              <max value="0" />
173          </element>
174          <element id="Composition.encounter">
175              <path value="Composition.encounter" />
176              <max value="0" />
177          </element>
178          <element id="Composition.date">
179              <path value="Composition.date" />
180              <mustSupport value="true" />
181          </element>
182          <element id="Composition.author">
183              <path value="Composition.author" />
184              <short value="Eintragende Person" />
185              <definition value="Die Person, die den Eintrag der Impfung
        erstellt hat. Sollte keine eintragende Person vorhanden sein, so kann die
        Nullflavor-Extension genutzt werden." />
186              <max value="1" />
187              <type>
188                  <code value="Reference" />
189                  <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
190              </type>
191              <mustSupport value="true" />
192              <mapping>
193                  <identity value="MIO-Impfpass" />
194                  <map value="Impfung.Eintragende Person" />
195              </mapping>
196          </element>
197          <element id="Composition.author.reference">
198              <path value="Composition.author.reference" />
199              <min value="1" />
200          </element>
201          <element id="Composition.author.type">
202              <path value="Composition.author.type" />
203              <max value="0" />
204          </element>
205          <element id="Composition.author.identifier">
206              <path value="Composition.author.identifier" />
207              <max value="0" />
208          </element>
209          <element id="Composition.author.display">
210              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
211                  <valueBoolean value="true" />
212              </extension>
213              <path value="Composition.author.display" />
214              <max value="0" />
215          </element>
216          <element id="Composition.confidentiality">
217              <path value="Composition.confidentiality" />
218              <max value="0" />
```

```xml
                </element>
                <element id="Composition.attester">
                    <path value="Composition.attester" />
                    <max value="0" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Impfung.Verantwortliche Person" />
                    </mapping>
                </element>
                <element id="Composition.custodian">
                    <path value="Composition.custodian" />
                    <max value="0" />
                </element>
                <element id="Composition.relatesTo">
                    <path value="Composition.relatesTo" />
                    <max value="0" />
                </element>
                <element id="Composition.event">
                    <path value="Composition.event" />
                    <max value="0" />
                </element>
                <element id="Composition.section">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-explicit-type-name">
                        <valueString value="Section" />
                    </extension>
                    <path value="Composition.section" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="code.coding.code" />
                        </discriminator>
                        <rules value="closed" />
                    </slicing>
                    <min value="1" />
                </element>
                <element id="Composition.section:Record_Prime">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-explicit-type-name">
                        <valueString value="Section" />
                    </extension>
                    <path value="Composition.section" />
                    <sliceName value="Record_Prime" />
                    <max value="1" />
                    <mustSupport value="true" />
                </element>
                <element id="Composition.section:Record_Prime.title">
                    <path value="Composition.section.title" />
                    <max value="0" />
                </element>
                <element id="Composition.section:Record_Prime.code">
                    <path value="Composition.section.code" />
                    <min value="1" />
                </element>
                <element id="Composition.section:Record_Prime.code.coding">
                    <path value="Composition.section.code.coding" />
                    <min value="1" />
                    <max value="1" />
                </element>
                <element id="Composition.section:Record_Prime.code.coding.system">
```

```
277              <path value="Composition.section.code.coding.system" />
278              <min value="1" />
279              <fixedUri value="http://terminology.hl7.org/CodeSystem/v3-
        ActCode" />
280          </element>
281          <element id="Composition.section:Record_Prime.code.coding.code">
282              <path value="Composition.section.code.coding.code" />
283              <min value="1" />
284              <fixedCode value="IMMUNIZ" />
285          </element>
286          <element id="Composition.section:Record_Prime.code.coding.userSelec
        ted">
287              <path value="Composition.section.code.coding.userSelected" />
288              <max value="0" />
289          </element>
290          <element id="Composition.section:Record_Prime.code.text">
291              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
292                  <valueBoolean value="true" />
293              </extension>
294              <path value="Composition.section.code.text" />
295              <max value="0" />
296          </element>
297          <element id="Composition.section:Record_Prime.author">
298              <path value="Composition.section.author" />
299              <max value="0" />
300          </element>
301          <element id="Composition.section:Record_Prime.focus">
302              <path value="Composition.section.focus" />
303              <max value="0" />
304          </element>
305          <element id="Composition.section:Record_Prime.text">
306              <path value="Composition.section.text" />
307              <max value="0" />
308          </element>
309          <element id="Composition.section:Record_Prime.mode">
310              <path value="Composition.section.mode" />
311              <max value="0" />
312          </element>
313          <element id="Composition.section:Record_Prime.orderedBy">
314              <path value="Composition.section.orderedBy" />
315              <max value="0" />
316          </element>
317          <element id="Composition.section:Record_Prime.entry">
318              <path value="Composition.section.entry" />
319              <min value="1" />
320              <type>
321                  <code value="Reference" />
322                  <targetProfile value="https://fhir.kbv.de/
        Structuredefinition/KBV_PR_MIO_Vaccination_Record_Prime|1.00.000" />
323              </type>
324          </element>
325          <element id="Composition.section:Record_Prime.entry.reference">
326              <path value="Composition.section.entry.reference" />
327              <min value="1" />
328          </element>
329          <element id="Composition.section:Record_Prime.entry.type">
330              <path value="Composition.section.entry.type" />
331              <max value="0" />
332          </element>
```

```
333              <element id="Composition.section:Record_Prime.entry.identifier">
334                  <path value="Composition.section.entry.identifier" />
335                  <max value="0" />
336              </element>
337              <element id="Composition.section:Record_Prime.entry.display">
338                  <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
339                      <valueBoolean value="true" />
340                  </extension>
341                  <path value="Composition.section.entry.display" />
342                  <max value="0" />
343              </element>
344              <element id="Composition.section:Record_Prime.emptyReason">
345                  <path value="Composition.section.emptyReason" />
346                  <max value="0" />
347              </element>
348              <element id="Composition.section:Record_Prime.section">
349                  <path value="Composition.section.section" />
350                  <max value="0" />
351              </element>
352              <element id="Composition.section:Observation">
353                  <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-explicit-type-name">
354                      <valueString value="Section" />
355                  </extension>
356                  <path value="Composition.section" />
357                  <sliceName value="Observation" />
358                  <max value="1" />
359                  <mustSupport value="true" />
360              </element>
361              <element id="Composition.section:Observation.title">
362                  <path value="Composition.section.title" />
363                  <max value="0" />
364              </element>
365              <element id="Composition.section:Observation.code">
366                  <path value="Composition.section.code" />
367                  <min value="1" />
368              </element>
369              <element id="Composition.section:Observation.code.coding">
370                  <path value="Composition.section.code.coding" />
371                  <min value="1" />
372                  <max value="1" />
373              </element>
374              <element id="Composition.section:Observation.code.coding.system">
375                  <path value="Composition.section.code.coding.system" />
376                  <min value="1" />
377                  <fixedUri value="http://terminology.hl7.org/CodeSystem/v3-
        ActCode" />
378              </element>
379              <element id="Composition.section:Observation.code.coding.code">
380                  <path value="Composition.section.code.coding.code" />
381                  <min value="1" />
382                  <fixedCode value="COBSCAT" />
383              </element>
384              <element id="Composition.section:Observation.code.coding.display">
385                  <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
386                      <valueBoolean value="true" />
387                  </extension>
388                  <path value="Composition.section.code.coding.display" />
```

```
389            <max value="0" />
390          </element>
391          <element id="Composition.section:Observation.code.coding.userSelect
     ed">
392            <path value="Composition.section.code.coding.userSelected" />
393            <max value="0" />
394          </element>
395          <element id="Composition.section:Observation.code.text">
396            <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
397              <valueBoolean value="true" />
398            </extension>
399            <path value="Composition.section.code.text" />
400            <max value="0" />
401          </element>
402          <element id="Composition.section:Observation.author">
403            <path value="Composition.section.author" />
404            <max value="0" />
405          </element>
406          <element id="Composition.section:Observation.focus">
407            <path value="Composition.section.focus" />
408            <max value="0" />
409          </element>
410          <element id="Composition.section:Observation.text">
411            <path value="Composition.section.text" />
412            <max value="0" />
413          </element>
414          <element id="Composition.section:Observation.mode">
415            <path value="Composition.section.mode" />
416            <max value="0" />
417          </element>
418          <element id="Composition.section:Observation.orderedBy">
419            <path value="Composition.section.orderedBy" />
420            <max value="0" />
421          </element>
422          <element id="Composition.section:Observation.entry">
423            <path value="Composition.section.entry" />
424            <min value="1" />
425            <type>
426              <code value="Reference" />
427              <targetProfile value="https://fhir.kbv.de/
     Structuredefinition/KBV_PR_MIO_Vaccination_Observation_Immunization_Status|
     1.00.000" />
428            </type>
429          </element>
430          <element id="Composition.section:Observation.entry.reference">
431            <path value="Composition.section.entry.reference" />
432            <min value="1" />
433          </element>
434          <element id="Composition.section:Observation.entry.type">
435            <path value="Composition.section.entry.type" />
436            <max value="0" />
437          </element>
438          <element id="Composition.section:Observation.entry.identifier">
439            <path value="Composition.section.entry.identifier" />
440            <max value="0" />
441          </element>
442          <element id="Composition.section:Observation.entry.display">
443            <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
```

```
444                        <valueBoolean value="true" />
445                    </extension>
446                    <path value="Composition.section.entry.display" />
447                    <max value="0" />
448                </element>
449                <element id="Composition.section:Observation.emptyReason">
450                    <path value="Composition.section.emptyReason" />
451                    <max value="0" />
452                </element>
453                <element id="Composition.section:Observation.section">
454                    <path value="Composition.section.section" />
455                    <max value="0" />
456                </element>
457                <element id="Composition.section:Condition">
458                    <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-explicit-type-name">
459                        <valueString value="Section" />
460                    </extension>
461                    <path value="Composition.section" />
462                    <sliceName value="Condition" />
463                    <max value="1" />
464                    <mustSupport value="true" />
465                </element>
466                <element id="Composition.section:Condition.title">
467                    <path value="Composition.section.title" />
468                    <max value="0" />
469                </element>
470                <element id="Composition.section:Condition.code">
471                    <path value="Composition.section.code" />
472                    <definition value="Möglicherweise noch ändern auf IHE IC
473    11450-4 R PROBLEM LIST
474    11348-0 R HISTORY OF PAST ILLNESS
475
476    MEDCCAT http://terminology.hl7.org/CodeSystem/v3-ActCode" />
477                    <min value="1" />
478                </element>
479                <element id="Composition.section:Condition.code.coding">
480                    <path value="Composition.section.code.coding" />
481                    <min value="1" />
482                    <max value="1" />
483                </element>
484                <element id="Composition.section:Condition.code.coding.system">
485                    <path value="Composition.section.code.coding.system" />
486                    <min value="1" />
487                    <fixedUri value="http://loinc.org" />
488                </element>
489                <element id="Composition.section:Condition.code.coding.code">
490                    <path value="Composition.section.code.coding.code" />
491                    <min value="1" />
492                    <fixedCode value="11348-0" />
493                </element>
494                <element id="Composition.section:Condition.code.coding.display">
495                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
496                        <valueBoolean value="true" />
497                    </extension>
498                    <path value="Composition.section.code.coding.display" />
499                    <max value="0" />
500                </element>
```

```
501          <element id="Composition.section:Condition.code.coding.userSelected
      ">
502              <path value="Composition.section.code.coding.userSelected" />
503              <max value="0" />
504          </element>
505          <element id="Composition.section:Condition.code.text">
506              <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
507                  <valueBoolean value="true" />
508              </extension>
509              <path value="Composition.section.code.text" />
510              <max value="0" />
511          </element>
512          <element id="Composition.section:Condition.author">
513              <path value="Composition.section.author" />
514              <max value="0" />
515          </element>
516          <element id="Composition.section:Condition.focus">
517              <path value="Composition.section.focus" />
518              <max value="0" />
519          </element>
520          <element id="Composition.section:Condition.text">
521              <path value="Composition.section.text" />
522              <max value="0" />
523          </element>
524          <element id="Composition.section:Condition.mode">
525              <path value="Composition.section.mode" />
526              <max value="0" />
527          </element>
528          <element id="Composition.section:Condition.orderedBy">
529              <path value="Composition.section.orderedBy" />
530              <max value="0" />
531          </element>
532          <element id="Composition.section:Condition.entry">
533              <path value="Composition.section.entry" />
534              <min value="1" />
535              <type>
536                  <code value="Reference" />
537                  <targetProfile value="https://fhir.kbv.de/
      Structuredefinition/KBV_PR_MIO_Vaccination_Condition|1.00.000" />
538              </type>
539          </element>
540          <element id="Composition.section:Condition.entry.reference">
541              <path value="Composition.section.entry.reference" />
542              <min value="1" />
543          </element>
544          <element id="Composition.section:Condition.entry.type">
545              <path value="Composition.section.entry.type" />
546              <max value="0" />
547          </element>
548          <element id="Composition.section:Condition.entry.identifier">
549              <path value="Composition.section.entry.identifier" />
550              <max value="0" />
551          </element>
552          <element id="Composition.section:Condition.entry.display">
553              <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
554                  <valueBoolean value="true" />
555              </extension>
556              <path value="Composition.section.entry.display" />
```

```xml
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.emptyReason">
                <path value="Composition.section.emptyReason" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section">
                <path value="Composition.section.section" />
                <short value="Provenance" />
                <max value="1" />
            </element>
            <element id="Composition.section:Condition.section.title">
                <path value="Composition.section.section.title" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.code">
                <path value="Composition.section.section.code" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.author">
                <path value="Composition.section.section.author" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.focus">
                <path value="Composition.section.section.focus" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.text">
                <path value="Composition.section.section.text" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.mode">
                <path value="Composition.section.section.mode" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.orderedBy">
                <path value="Composition.section.section.orderedBy" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.entry">
                <path value="Composition.section.section.entry" />
                <min value="1" />
                <type>
                    <code value="Reference" />
                    <targetProfile value="https://fhir.kbv.de/
StructureDefinition/KBV_PR_MIO_Vaccination_Provenance|1.00.000" />
                </type>
            </element>
            <element id="Composition.section:Condition.section.entry.reference">
                <path value="Composition.section.section.entry.reference" />
                <min value="1" />
            </element>
            <element id="Composition.section:Condition.section.entry.type">
                <path value="Composition.section.section.entry.type" />
                <max value="0" />
            </element>
            <element id="Composition.section:Condition.section.entry.identifier
">
                <path value="Composition.section.section.entry.identifier" />
                <max value="0" />
```

```xml
615            </element>
616            <element id="Composition.section:Condition.section.entry.display">
617                <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
618                    <valueBoolean value="true" />
619                </extension>
620                <path value="Composition.section.section.entry.display" />
621                <max value="0" />
622            </element>
623            <element id="Composition.section:Condition.section.emptyReason">
624                <path value="Composition.section.section.emptyReason" />
625                <max value="0" />
626            </element>
627            <element id="Composition.section:Condition.section.section">
628                <path value="Composition.section.section.section" />
629                <max value="0" />
630            </element>
631        </differential>
632    </StructureDefinition>
```

3. KBV_PR_MIO_VACCINATION_COMPOSITION_ADDENDUM

KBV_PR_MIO_Vaccination_Composition_Addendum

```
 1  <StructureDefinition xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/StructureDefinition/
        KBV_PR_MIO_Vaccination_Composition_Addendum" />
 3      <version value="1.00.000" />
 4      <name value="KBV_PR_MIO_Vaccination_Composition_Addendum" />
 5      <status value="active" />
 6      <date value="2020-05-19" />
 7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
        (KBV). All rights reserved." />
 9      <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="workflow" />
12          <uri value="http://hl7.org/fhir/workflow" />
13          <name value="Workflow Pattern" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="cda" />
22          <uri value="http://hl7.org/v3/cda" />
23          <name value="CDA (R2)" />
24      </mapping>
25      <mapping>
26          <identity value="fhirdocumentreference" />
27          <uri value="http://hl7.org/fhir/documentreference" />
28          <name value="FHIR DocumentReference" />
29      </mapping>
30      <mapping>
31          <identity value="w5" />
32          <uri value="http://hl7.org/fhir/fivews" />
33          <name value="FiveWs Pattern Mapping" />
34      </mapping>
35      <kind value="resource" />
36      <abstract value="false" />
37      <type value="Composition" />
38      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
        Composition" />
39      <derivation value="constraint" />
40      <differential>
41          <element id="Composition">
42              <path value="Composition" />
43              <definition value="Diese Ressource beschreibt einen
            Impfeintrag, der nach- oder übertragen worden ist." />
44          </element>
45          <element id="Composition.id">
46              <path value="Composition.id" />
47              <min value="1" />
48          </element>
49          <element id="Composition.meta">
50              <path value="Composition.meta" />
```

```xml
                    <min value="1" />
                </element>
                <element id="Composition.meta.versionId">
                    <path value="Composition.meta.versionId" />
                    <max value="0" />
                </element>
                <element id="Composition.meta.lastUpdated">
                    <path value="Composition.meta.lastUpdated" />
                    <max value="0" />
                </element>
                <element id="Composition.meta.source">
                    <path value="Composition.meta.source" />
                    <max value="0" />
                </element>
                <element id="Composition.meta.profile">
                    <path value="Composition.meta.profile" />
                    <min value="1" />
                    <max value="1" />
                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Composition_Addendum|1.00.000" />
                </element>
                <element id="Composition.meta.security">
                    <path value="Composition.meta.security" />
                    <max value="0" />
                </element>
                <element id="Composition.meta.tag">
                    <path value="Composition.meta.tag" />
                    <max value="0" />
                </element>
                <element id="Composition.implicitRules">
                    <path value="Composition.implicitRules" />
                    <max value="0" />
                </element>
                <element id="Composition.language">
                    <path value="Composition.language" />
                    <max value="0" />
                </element>
                <element id="Composition.text.status">
                    <path value="Composition.text.status" />
                    <fixedCode value="extensions" />
                </element>
                <element id="Composition.contained">
                    <path value="Composition.contained" />
                    <max value="0" />
                </element>
                <element id="Composition.identifier">
                    <path value="Composition.identifier" />
                    <max value="0" />
                </element>
                <element id="Composition.status">
                    <path value="Composition.status" />
                    <fixedCode value="final" />
                </element>
                <element id="Composition.type">
                    <path value="Composition.type" />
                    <definition value="Code aus dem Profil IHE Immunization Content
    (IC) zur Beschreibung der History of Immunization" />
                    <mustSupport value="true" />
                </element>
                <element id="Composition.type.coding">
```

```
109              <path value="Composition.type.coding" />
110              <min value="1" />
111              <max value="1" />
112         </element>
113         <element id="Composition.type.coding.system">
114              <path value="Composition.type.coding.system" />
115              <min value="1" />
116              <fixedUri value="http://loinc.org" />
117         </element>
118         <element id="Composition.type.coding.code">
119              <path value="Composition.type.coding.code" />
120              <min value="1" />
121              <fixedCode value="11369-6" />
122         </element>
123         <element id="Composition.type.coding.display">
124              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
125                  <valueBoolean value="true" />
126              </extension>
127              <path value="Composition.type.coding.display" />
128              <min value="1" />
129              <fixedString value="HISTORY OF IMMUNIZATIONS" />
130         </element>
131         <element id="Composition.type.coding.userSelected">
132              <path value="Composition.type.coding.userSelected" />
133              <max value="0" />
134         </element>
135         <element id="Composition.type.text">
136              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
137                  <valueBoolean value="true" />
138              </extension>
139              <path value="Composition.type.text" />
140              <max value="0" />
141         </element>
142         <element id="Composition.category">
143              <path value="Composition.category" />
144              <max value="0" />
145         </element>
146         <element id="Composition.subject">
147              <path value="Composition.subject" />
148              <min value="1" />
149              <type>
150                  <code value="Reference" />
151                  <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
152              </type>
153              <mustSupport value="true" />
154         </element>
155         <element id="Composition.subject.reference">
156              <path value="Composition.subject.reference" />
157              <min value="1" />
158         </element>
159         <element id="Composition.subject.type">
160              <path value="Composition.subject.type" />
161              <max value="0" />
162         </element>
163         <element id="Composition.subject.identifier">
164              <path value="Composition.subject.identifier" />
165              <max value="0" />
```

```xml
166            </element>
167            <element id="Composition.subject.display">
168                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
169                    <valueBoolean value="true" />
170                </extension>
171                <path value="Composition.subject.display" />
172                <max value="0" />
173            </element>
174            <element id="Composition.encounter">
175                <path value="Composition.encounter" />
176                <max value="0" />
177            </element>
178            <element id="Composition.date">
179                <path value="Composition.date" />
180                <mustSupport value="true" />
181            </element>
182            <element id="Composition.author">
183                <path value="Composition.author" />
184                <max value="1" />
185                <type>
186                    <code value="Reference" />
187                    <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
188                </type>
189                <mustSupport value="true" />
190            </element>
191            <element id="Composition.author.reference">
192                <path value="Composition.author.reference" />
193                <min value="1" />
194            </element>
195            <element id="Composition.author.type">
196                <path value="Composition.author.type" />
197                <max value="0" />
198            </element>
199            <element id="Composition.author.identifier">
200                <path value="Composition.author.identifier" />
201                <max value="0" />
202            </element>
203            <element id="Composition.author.display">
204                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
205                    <valueBoolean value="true" />
206                </extension>
207                <path value="Composition.author.display" />
208                <max value="0" />
209            </element>
210            <element id="Composition.confidentiality">
211                <path value="Composition.confidentiality" />
212                <max value="0" />
213            </element>
214            <element id="Composition.attester">
215                <path value="Composition.attester" />
216                <max value="0" />
217            </element>
218            <element id="Composition.custodian">
219                <path value="Composition.custodian" />
220                <max value="0" />
221            </element>
222            <element id="Composition.relatesTo">
```

```xml
223                <path value="Composition.relatesTo" />
224                <max value="0" />
225            </element>
226            <element id="Composition.event">
227                <path value="Composition.event" />
228                <max value="0" />
229            </element>
230            <element id="Composition.section">
231                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-explicit-type-name">
232                    <valueString value="Section" />
233                </extension>
234                <path value="Composition.section" />
235                <slicing>
236                    <discriminator>
237                        <type value="value" />
238                        <path value="code.coding.code" />
239                    </discriminator>
240                    <rules value="closed" />
241                </slicing>
242                <min value="1" />
243                <max value="1" />
244            </element>
245            <element id="Composition.section:Record_Addendum">
246                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-explicit-type-name">
247                    <valueString value="Section" />
248                </extension>
249                <path value="Composition.section" />
250                <sliceName value="Record_Addendum" />
251                <min value="1" />
252                <max value="1" />
253                <mustSupport value="true" />
254            </element>
255            <element id="Composition.section:Record_Addendum.title">
256                <path value="Composition.section.title" />
257                <max value="0" />
258            </element>
259            <element id="Composition.section:Record_Addendum.code">
260                <path value="Composition.section.code" />
261                <min value="1" />
262            </element>
263            <element id="Composition.section:Record_Addendum.code.coding">
264                <path value="Composition.section.code.coding" />
265                <min value="1" />
266                <max value="1" />
267            </element>
268            <element id="Composition.section:Record_Addendum.code.coding.system
        ">
269                <path value="Composition.section.code.coding.system" />
270                <min value="1" />
271                <fixedUri value="http://terminology.hl7.org/CodeSystem/v3-
        ActCode" />
272            </element>
273            <element id="Composition.section:Record_Addendum.code.coding.code">
274                <path value="Composition.section.code.coding.code" />
275                <min value="1" />
276                <fixedCode value="IMMUCAT" />
277            </element>
278            <element id="Composition.section:Record_Addendum.author">
```

```
279              <path value="Composition.section.author" />
280              <max value="0" />
281          </element>
282          <element id="Composition.section:Record_Addendum.focus">
283              <path value="Composition.section.focus" />
284              <max value="0" />
285          </element>
286          <element id="Composition.section:Record_Addendum.text">
287              <path value="Composition.section.text" />
288              <max value="0" />
289          </element>
290          <element id="Composition.section:Record_Addendum.mode">
291              <path value="Composition.section.mode" />
292              <max value="0" />
293          </element>
294          <element id="Composition.section:Record_Addendum.orderedBy">
295              <path value="Composition.section.orderedBy" />
296              <max value="0" />
297          </element>
298          <element id="Composition.section:Record_Addendum.entry">
299              <path value="Composition.section.entry" />
300              <min value="1" />
301              <type>
302                  <code value="Reference" />
303                  <targetProfile value="https://fhir.kbv.de/
     Structuredefinition/KBV_PR_MIO_Vaccination_Record_Addendum|1.00.000" />
304              </type>
305          </element>
306          <element id="Composition.section:Record_Addendum.entry.reference">
307              <path value="Composition.section.entry.reference" />
308              <min value="1" />
309          </element>
310          <element id="Composition.section:Record_Addendum.entry.type">
311              <path value="Composition.section.entry.type" />
312              <max value="0" />
313          </element>
314          <element id="Composition.section:Record_Addendum.entry.identifier">
315              <path value="Composition.section.entry.identifier" />
316              <max value="0" />
317          </element>
318          <element id="Composition.section:Record_Addendum.entry.display">
319              <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
320                  <valueBoolean value="true" />
321              </extension>
322              <path value="Composition.section.entry.display" />
323              <max value="0" />
324          </element>
325          <element id="Composition.section:Record_Addendum.emptyReason">
326              <path value="Composition.section.emptyReason" />
327              <max value="0" />
328          </element>
329          <element id="Composition.section:Record_Addendum.section">
330              <path value="Composition.section.section" />
331              <max value="0" />
332          </element>
333      </differential>
334  </StructureDefinition>
```

4. KBV_PR_MIO_VACCINATION_CONDITION

KBV_PR_MIO_Vaccination_Condition

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Condition" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Condition" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="workflow" />
12          <uri value="http://hl7.org/fhir/workflow" />
13          <name value="Workflow Pattern" />
14      </mapping>
15      <mapping>
16          <identity value="sct-concept" />
17          <uri value="http://snomed.info/conceptdomain" />
18          <name value="SNOMED CT Concept Domain Binding" />
19      </mapping>
20      <mapping>
21          <identity value="v2" />
22          <uri value="http://hl7.org/v2" />
23          <name value="HL7 v2 Mapping" />
24      </mapping>
25      <mapping>
26          <identity value="rim" />
27          <uri value="http://hl7.org/v3" />
28          <name value="RIM Mapping" />
29      </mapping>
30      <mapping>
31          <identity value="w5" />
32          <uri value="http://hl7.org/fhir/fivews" />
33          <name value="FiveWs Pattern Mapping" />
34      </mapping>
35      <mapping>
36          <identity value="sct-attr" />
37          <uri value="http://snomed.org/attributebinding" />
38          <name value="SNOMED CT Attribute Binding" />
39      </mapping>
40      <kind value="resource" />
41      <abstract value="false" />
42      <type value="Condition" />
43      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Condition" />
44      <derivation value="constraint" />
45      <differential>
46          <element id="Condition">
47              <path value="Condition" />
48              <definition value="Dieses Profil enthält alle Informationen zu
    einer vorangegangenen / durchlebten Erkrankung/Infektionskrankheit, die zu
    einer Immunität geführt hat. Die Immunität führt dazu, dass in der Regel
    keine Impfung notwendig ist." />
```

```xml
                    <comment value="Zu diesem Profil kann eine Provenance-Ressource
angehängt werden." />
                    <constraint>
                        <key value="Cond1" />
                        <severity value="error" />
                        <human value="Das Dokumentationsdatum muss mindestens mit
TT.MM.JJJJ angegeben werden" />
                        <expression value="recordedDate.toString().length>=10" />
                        <source value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Condition" />
                    </constraint>
                </element>
                <element id="Condition.id">
                    <path value="Condition.id" />
                    <min value="1" />
                </element>
                <element id="Condition.meta">
                    <path value="Condition.meta" />
                    <min value="1" />
                </element>
                <element id="Condition.meta.versionId">
                    <path value="Condition.meta.versionId" />
                    <max value="0" />
                </element>
                <element id="Condition.meta.lastUpdated">
                    <path value="Condition.meta.lastUpdated" />
                    <max value="0" />
                </element>
                <element id="Condition.meta.source">
                    <path value="Condition.meta.source" />
                    <max value="0" />
                </element>
                <element id="Condition.meta.profile">
                    <path value="Condition.meta.profile" />
                    <min value="1" />
                    <max value="1" />
                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
KBV_PR_MIO_Vaccination_Condition|1.00.000" />
                </element>
                <element id="Condition.meta.security">
                    <path value="Condition.meta.security" />
                    <max value="0" />
                </element>
                <element id="Condition.meta.tag">
                    <path value="Condition.meta.tag" />
                    <max value="0" />
                </element>
                <element id="Condition.implicitRules">
                    <path value="Condition.implicitRules" />
                    <max value="0" />
                </element>
                <element id="Condition.language">
                    <path value="Condition.language" />
                    <max value="0" />
                </element>
                <element id="Condition.text">
                    <path value="Condition.text" />
                    <min value="1" />
                </element>
                <element id="Condition.contained">
```

```xml
105              <path value="Condition.contained" />
106              <max value="0" />
107          </element>
108          <element id="Condition.identifier">
109              <path value="Condition.identifier" />
110              <max value="0" />
111          </element>
112          <element id="Condition.clinicalStatus">
113              <path value="Condition.clinicalStatus" />
114              <min value="1" />
115              <mustSupport value="true" />
116          </element>
117          <element id="Condition.clinicalStatus.coding">
118              <path value="Condition.clinicalStatus.coding" />
119              <min value="1" />
120              <max value="1" />
121          </element>
122          <element id="Condition.clinicalStatus.coding.system">
123              <path value="Condition.clinicalStatus.coding.system" />
124              <min value="1" />
125          </element>
126          <element id="Condition.clinicalStatus.coding.code">
127              <path value="Condition.clinicalStatus.coding.code" />
128              <min value="1" />
129              <fixedCode value="resolved" />
130          </element>
131          <element id="Condition.clinicalStatus.text">
132              <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
133                  <valueBoolean value="true" />
134              </extension>
135              <path value="Condition.clinicalStatus.text" />
136              <max value="0" />
137          </element>
138          <element id="Condition.verificationStatus">
139              <path value="Condition.verificationStatus" />
140              <min value="1" />
141              <mustSupport value="true" />
142          </element>
143          <element id="Condition.verificationStatus.coding">
144              <path value="Condition.verificationStatus.coding" />
145              <min value="1" />
146              <max value="1" />
147          </element>
148          <element id="Condition.verificationStatus.coding.system">
149              <path value="Condition.verificationStatus.coding.system" />
150              <min value="1" />
151          </element>
152          <element id="Condition.verificationStatus.coding.code">
153              <path value="Condition.verificationStatus.coding.code" />
154              <min value="1" />
155              <fixedCode value="confirmed" />
156          </element>
157          <element id="Condition.verificationStatus.coding.userSelected">
158              <path value="Condition.verificationStatus.coding.userSelected"
     />
159              <max value="0" />
160          </element>
161          <element id="Condition.verificationStatus.text">
```

```xml
162              <extension url="http://hl7.org/fhir/StructureDefinition/
           elementdefinition-translatable">
163                  <valueBoolean value="true" />
164              </extension>
165              <path value="Condition.verificationStatus.text" />
166              <max value="0" />
167          </element>
168          <element id="Condition.category">
169              <path value="Condition.category" />
170              <max value="0" />
171          </element>
172          <element id="Condition.severity">
173              <path value="Condition.severity" />
174              <max value="0" />
175          </element>
176          <element id="Condition.code">
177              <path value="Condition.code" />
178              <short value="Diagnosecode" />
179              <definition value="Dieses Element beschreibt die durchgemachte
           Infektionskrankheit, die zu einer Immunität führt. Enthalten ist die
           Bezeichnung der Erkrankung mit der entsprechenden Codierung." />
180              <comment value="Ist es notwendig eine hier nicht aufgeführte
           (unspezifizierte) Erkrankung zu dokumentieren, ist der entsprechende Code
           auszuwählen. Es sollte eine nähere Beschreibung als Freitext in der note
           (Diagnoseerläuterung) erfolgen." />
181              <min value="1" />
182              <mustSupport value="true" />
183          </element>
184          <element id="Condition.code.coding">
185              <path value="Condition.code.coding" />
186              <slicing>
187                  <discriminator>
188                      <type value="value" />
189                      <path value="system" />
190                  </discriminator>
191                  <rules value="closed" />
192              </slicing>
193              <min value="1" />
194              <max value="2" />
195              <mustSupport value="true" />
196          </element>
197          <element id="Condition.code.coding:snomed_CT">
198              <path value="Condition.code.coding" />
199              <sliceName value="snomed_CT" />
200              <min value="1" />
201              <max value="1" />
202              <mustSupport value="true" />
203              <binding>
204                  <strength value="required" />
205                  <valueSet value="https://fhir.kbv.de/ValueSet/
           KBV_VS_MIO_Vaccination_Prior_Disease" />
206              </binding>
207              <mapping>
208                  <identity value="MIO-Impfpass" />
209                  <map value="Impfrelevante-Erkrankung.Diagnosecode/-
           Bezeichung" />
210              </mapping>
211          </element>
212          <element id="Condition.code.coding:snomed_CT.system">
213              <path value="Condition.code.coding.system" />
```

```xml
214                    <min value="1" />
215                    <fixedUri value="http://snomed.info/sct" />
216                </element>
217                <element id="Condition.code.coding:snomed_CT.version">
218                    <path value="Condition.code.coding.version" />
219                    <min value="1" />
220                </element>
221                <element id="Condition.code.coding:snomed_CT.code">
222                    <path value="Condition.code.coding.code" />
223                    <min value="1" />
224                </element>
225                <element id="Condition.code.coding:snomed_CT.display">
226                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
227                        <valueBoolean value="true" />
228                    </extension>
229                    <path value="Condition.code.coding.display" />
230                    <min value="1" />
231                </element>
232                <element id="Condition.code.coding:snomed_CT.userSelected">
233                    <path value="Condition.code.coding.userSelected" />
234                    <max value="0" />
235                </element>
236                <element id="Condition.code.coding:icd-10-gm">
237                    <path value="Condition.code.coding" />
238                    <sliceName value="icd-10-gm" />
239                    <max value="1" />
240                    <mustSupport value="true" />
241                    <binding>
242                        <strength value="required" />
243                        <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_Prior_Disease_ICD" />
244                    </binding>
245                    <mapping>
246                        <identity value="MIO-Impfpass" />
247                        <map value="Impfrelevante-Erkrankung.Diagnosecode/-
       Bezeichung" />
248                    </mapping>
249                </element>
250                <element id="Condition.code.coding:icd-10-gm.system">
251                    <path value="Condition.code.coding.system" />
252                    <min value="1" />
253                    <fixedUri value="http://fhir.de/CodeSystem/dimdi/icd-10-gm" />
254                </element>
255                <element id="Condition.code.coding:icd-10-gm.version">
256                    <path value="Condition.code.coding.version" />
257                    <min value="1" />
258                </element>
259                <element id="Condition.code.coding:icd-10-gm.code">
260                    <path value="Condition.code.coding.code" />
261                    <min value="1" />
262                </element>
263                <element id="Condition.code.coding:icd-10-gm.display">
264                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
265                        <valueBoolean value="true" />
266                    </extension>
267                    <path value="Condition.code.coding.display" />
268                    <min value="1" />
269                </element>
```

```xml
270            <element id="Condition.code.coding:icd-10-gm.userSelected">
271                <path value="Condition.code.coding.userSelected" />
272                <max value="0" />
273            </element>
274            <element id="Condition.code.text">
275                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
276                    <valueBoolean value="true" />
277                </extension>
278                <path value="Condition.code.text" />
279                <definition value="In diesem Attribut sollen die entsprechende
        deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
        werden, also in diesem Fall den Displaynamen des Targetsystems aus
        KBV_CM_MIO_Vaccination_Prior_Disease_German" />
280                <min value="1" />
281                <mustSupport value="true" />
282            </element>
283            <element id="Condition.bodySite">
284                <path value="Condition.bodySite" />
285                <max value="0" />
286            </element>
287            <element id="Condition.subject">
288                <path value="Condition.subject" />
289                <type>
290                    <code value="Reference" />
291                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
292                </type>
293            </element>
294            <element id="Condition.subject.reference">
295                <path value="Condition.subject.reference" />
296                <min value="1" />
297            </element>
298            <element id="Condition.subject.type">
299                <path value="Condition.subject.type" />
300                <max value="0" />
301            </element>
302            <element id="Condition.subject.identifier">
303                <path value="Condition.subject.identifier" />
304                <max value="0" />
305            </element>
306            <element id="Condition.subject.display">
307                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
308                    <valueBoolean value="true" />
309                </extension>
310                <path value="Condition.subject.display" />
311                <max value="0" />
312            </element>
313            <element id="Condition.encounter">
314                <path value="Condition.encounter" />
315                <max value="0" />
316            </element>
317            <element id="Condition.onset[x]">
318                <path value="Condition.onset[x]" />
319                <slicing>
320                    <discriminator>
321                        <type value="type" />
322                        <path value="$this" />
323                    </discriminator>
```

```
324                <rules value="open" />
325            </slicing>
326            <mustSupport value="true" />
327        </element>
328        <element id="Condition.onset[x]:onsetString">
329            <path value="Condition.onset[x]" />
330            <sliceName value="onsetString" />
331            <type>
332                <code value="string" />
333            </type>
334            <mustSupport value="true" />
335        </element>
336        <element id="Condition.onset[x]:onsetString.extension">
337            <path value="Condition.onset[x].extension" />
338            <slicing>
339                <discriminator>
340                    <type value="value" />
341                    <path value="url" />
342                </discriminator>
343                <rules value="open" />
344            </slicing>
345        </element>
346        <element id="Condition.onset[x]:onsetString.extension:lebensphase">
347            <path value="Condition.onset[x].extension" />
348            <sliceName value="lebensphase" />
349            <min value="1" />
350            <max value="1" />
351            <type>
352                <code value="Extension" />
353                <profile value="https://fhir.kbv.de/StructureDefinition/
       KBV_EX_MIO_Vaccination_Age_Groups|1.00.000" />
354            </type>
355            <mustSupport value="true" />
356        </element>
357        <element id="Condition.onset[x]:onsetString.extension:lebensphase.v
       alue[x]">
358            <path value="Condition.onset[x].extension.value[x]" />
359            <mapping>
360                <identity value="MIO-Impfpass" />
361                <map value="Impfrelevante-Erkrankung.Klinsch Relevanter
       Zeitraum" />
362            </mapping>
363        </element>
364        <element id="Condition.onset[x]:onsetString.extension:lebensphase.v
       alue[x]:valueCodeableConcept">
365            <path value="Condition.onset[x].extension.value[x]" />
366            <sliceName value="valueCodeableConcept" />
367        </element>
368        <element id="Condition.onset[x]:onsetString.extension:lebensphase.v
       alue[x]:valueCodeableConcept.coding.display">
369            <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
370                <valueBoolean value="true" />
371            </extension>
372            <path value="Condition.onset[x].extension.value[x].coding.displ
       ay" />
373        </element>
374        <element id="Condition.onset[x]:onsetString.extension:lebensphase.v
       alue[x]:valueCodeableConcept.text">
```

```
375        <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
376            <valueBoolean value="true" />
377        </extension>
378        <path value="Condition.onset[x].extension.value[x].text" />
379      </element>
380      <element id="Condition.abatement[x]">
381        <path value="Condition.abatement[x]" />
382        <max value="0" />
383      </element>
384      <element id="Condition.recordedDate">
385        <path value="Condition.recordedDate" />
386        <short value="Dokumentationsdatum" />
387        <definition value="Zeitpunkt, an dem eine Krankheit z. B. durch
       eine ärztlich tätige Person in diesem Eintrag dokumentiert wurde. Hinweis:
       Wenn zwischen Feststellung der Diagnose und Dokumentationsdatum nicht
       unterschieden werden muss, ist das Datum der Feststellung der Diagnose
       (Diagnosedatum) anzugeben." />
388        <min value="1" />
389        <mustSupport value="true" />
390        <mapping>
391            <identity value="MIO-Impfpass" />
392            <map value="Impfrelevante-Erkrankung.Dokumentationsdatum" /
       >
393        </mapping>
394      </element>
395      <element id="Condition.recorder">
396        <path value="Condition.recorder" />
397        <short value="Eintragende Person" />
398        <definition value="Diese Person hat den Eintrag im digitalen
       Impfpass getätigt. Diese Information ist vor allem relevant bei Überträgen
       bzw. Einträgen alter Impfungen." />
399        <type>
400            <code value="Reference" />
401            <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitioner|1.00.000" />
402        </type>
403        <mustSupport value="true" />
404        <mapping>
405            <identity value="MIO-Impfpass" />
406            <map value="Impfrelevante Erkrankung.Eintragende Person" />
407        </mapping>
408      </element>
409      <element id="Condition.recorder.reference">
410        <path value="Condition.recorder.reference" />
411        <min value="1" />
412      </element>
413      <element id="Condition.recorder.type">
414        <path value="Condition.recorder.type" />
415        <max value="0" />
416      </element>
417      <element id="Condition.recorder.identifier">
418        <path value="Condition.recorder.identifier" />
419        <max value="0" />
420      </element>
421      <element id="Condition.recorder.display">
422        <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
423            <valueBoolean value="true" />
424        </extension>
```

```xml
                <path value="Condition.recorder.display" />
                <max value="0" />
            </element>
        <element id="Condition.asserter">
                <path value="Condition.asserter" />
                <max value="0" />
            </element>
        <element id="Condition.stage">
                <path value="Condition.stage" />
                <max value="0" />
            </element>
        <element id="Condition.evidence">
                <path value="Condition.evidence" />
                <max value="0" />
            </element>
        <element id="Condition.note">
                <path value="Condition.note" />
                <short value="Diagnoseerläuterung" />
                <definition value="Damit soll dem Arzt die Möglichkeit gegeben
werden evt. nähere Angaben zu einer Diagnose in Form von Freitext zu
machen" />
                <max value="1" />
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfrelevante Erkrankung.Diagnoseerläuterung" /
>
                </mapping>
            </element>
        <element id="Condition.note.author[x]">
                <path value="Condition.note.author[x]" />
                <max value="0" />
            </element>
        <element id="Condition.note.time">
                <path value="Condition.note.time" />
                <max value="0" />
            </element>
        </differential>
    </StructureDefinition>
```

5. KBV_PR_MIO_VACCINATION_OBSERVATION_IMMUNIZATION_STATUS

KBV_PR_MIO_Vaccination_Observation_Immunization_Status

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Observation_Immunization_Status" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Observation_Immunization_Status" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <kind value="resource" />
11      <abstract value="false" />
12      <type value="Observation" />
13      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Observation" />
14      <derivation value="constraint" />
15      <differential>
16          <element id="Observation">
17              <path value="Observation" />
18              <short value="Titer" />
19              <definition value="In diesem Profil können Ergebnisse von
    Titer-Untersuchungen/Antikörper-Bestimmungen von impfpräventablen
    Erkrankungen dokumentiert werden, vor allem zur Kontrolle des Impferfolgs.
    Dafür wird dokumentiert, welche Titer-Bestimmung durchgeführt wurde, ob
    überhaupt eine Nachweisbarkeit gegeben ist und ob sich aus dem bestimmten
    Wert eine Immunität ableiten lässt." />
20              <comment value="In der Regel werden für die meisten Impfungen
    bzw. impfpräventablen Erkrankungen keine Titerbestimmungen empfohlen – wenn
    diese jedoch angezeigt sind und durchgeführt werden, kann hier dokumentiert
    werden, welcher Titer bestimmt wurde und ob die Immunität anzunehmen ist."
    />
21              <constraint>
22                  <key value="issued" />
23                  <severity value="error" />
24                  <human value="Das Untersuchungsdatum muss mindestens 8
    Stellen haben" />
25                  <expression value="issued.toString().length()>=8" />
26                  <source value="Observation" />
27              </constraint>
28          </element>
29          <element id="Observation.id">
30              <path value="Observation.id" />
31              <min value="1" />
32          </element>
33          <element id="Observation.meta">
34              <path value="Observation.meta" />
35              <min value="1" />
36          </element>
37          <element id="Observation.meta.versionId">
38              <path value="Observation.meta.versionId" />
39              <max value="0" />
40          </element>
41          <element id="Observation.meta.lastUpdated">
```

```xml
                <path value="Observation.meta.lastUpdated" />
                <max value="0" />
            </element>
            <element id="Observation.meta.source">
                <path value="Observation.meta.source" />
                <max value="0" />
            </element>
            <element id="Observation.meta.profile">
                <path value="Observation.meta.profile" />
                <min value="1" />
                <max value="1" />
                <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Observation_Immunization_Status|1.00.000" />
            </element>
            <element id="Observation.meta.security">
                <path value="Observation.meta.security" />
                <max value="0" />
            </element>
            <element id="Observation.meta.tag">
                <path value="Observation.meta.tag" />
                <max value="0" />
            </element>
            <element id="Observation.implicitRules">
                <path value="Observation.implicitRules" />
                <max value="0" />
            </element>
            <element id="Observation.language">
                <path value="Observation.language" />
                <max value="0" />
            </element>
            <element id="Observation.text">
                <path value="Observation.text" />
                <min value="1" />
            </element>
            <element id="Observation.contained">
                <path value="Observation.contained" />
                <max value="0" />
            </element>
            <element id="Observation.identifier">
                <path value="Observation.identifier" />
                <max value="0" />
            </element>
            <element id="Observation.basedOn">
                <path value="Observation.basedOn" />
                <max value="0" />
            </element>
            <element id="Observation.partOf">
                <path value="Observation.partOf" />
                <max value="0" />
            </element>
            <element id="Observation.status">
                <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-display-hint">
                    <valueString value="default: final" />
                </extension>
                <path value="Observation.status" />
                <fixedCode value="final" />
            </element>
            <element id="Observation.category">
                <path value="Observation.category" />
```

```xml
                    <max value="0" />
                </element>
                <element id="Observation.code.coding">
                    <path value="Observation.code.coding" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="system" />
                        </discriminator>
                        <rules value="closed" />
                    </slicing>
                    <min value="1" />
                    <max value="2" />
                </element>
                <element id="Observation.code.coding:snomedCT">
                    <path value="Observation.code.coding" />
                    <sliceName value="snomedCT" />
                    <min value="1" />
                    <max value="1" />
                    <binding>
                        <strength value="required" />
                        <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed" />
                    </binding>
                </element>
                <element id="Observation.code.coding:snomedCT.system">
                    <path value="Observation.code.coding.system" />
                    <min value="1" />
                    <fixedUri value="http://snomed.info/sct" />
                </element>
                <element id="Observation.code.coding:snomedCT.version">
                    <path value="Observation.code.coding.version" />
                    <min value="1" />
                </element>
                <element id="Observation.code.coding:snomedCT.code">
                    <path value="Observation.code.coding.code" />
                    <min value="1" />
                </element>
                <element id="Observation.code.coding:snomedCT.display">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Observation.code.coding.display" />
                    <min value="1" />
                </element>
                <element id="Observation.code.coding:loinc">
                    <path value="Observation.code.coding" />
                    <sliceName value="loinc" />
                    <max value="1" />
                    <binding>
                        <strength value="required" />
                        <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" />
                    </binding>
                </element>
                <element id="Observation.code.coding:loinc.system">
                    <path value="Observation.code.coding.system" />
                    <min value="1" />
                    <fixedUri value="http://loinc.org" />
```

```
157            </element>
158            <element id="Observation.code.coding:loinc.version">
159                <path value="Observation.code.coding.version" />
160                <min value="1" />
161            </element>
162            <element id="Observation.code.coding:loinc.code">
163                <path value="Observation.code.coding.code" />
164                <min value="1" />
165            </element>
166            <element id="Observation.code.coding:loinc.display">
167                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
168                    <valueBoolean value="true" />
169                </extension>
170                <path value="Observation.code.coding.display" />
171                <min value="1" />
172            </element>
173            <element id="Observation.code.text">
174                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
175                    <valueBoolean value="true" />
176                </extension>
177                <path value="Observation.code.text" />
178                <definition value="In diesem Attribut sollen die entsprechende
       deutsche Bezeichnung des Loinc oder Snomed-Codes aus der Conceptmap
       eingetragen werden, also in diesem Fall den Displaynamen des Targetsystems
       aus https://fhir.kbv.de/ConceptMap/
       KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
179                <min value="1" />
180            </element>
181            <element id="Observation.subject">
182                <path value="Observation.subject" />
183                <min value="1" />
184                <type>
185                    <code value="Reference" />
186                    <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
187                </type>
188                <mustSupport value="true" />
189            </element>
190            <element id="Observation.subject.reference">
191                <path value="Observation.subject.reference" />
192                <min value="1" />
193            </element>
194            <element id="Observation.subject.type">
195                <path value="Observation.subject.type" />
196                <max value="0" />
197            </element>
198            <element id="Observation.subject.identifier">
199                <path value="Observation.subject.identifier" />
200                <max value="0" />
201            </element>
202            <element id="Observation.subject.display">
203                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
204                    <valueBoolean value="true" />
205                </extension>
206                <path value="Observation.subject.display" />
207                <max value="0" />
208            </element>
```

```
209              <element id="Observation.focus">
210                  <path value="Observation.focus" />
211                  <max value="0" />
212              </element>
213              <element id="Observation.encounter">
214                  <path value="Observation.encounter" />
215                  <max value="0" />
216              </element>
217              <element id="Observation.effective[x]">
218                  <path value="Observation.effective[x]" />
219                  <max value="0" />
220              </element>
221              <element id="Observation.issued">
222                  <path value="Observation.issued" />
223                  <short value="Datum der Untersuchung" />
224                  <definition value="Dieses Element beschreibt das Datum, wann
        die Laboruntersuchung des Titers durchgeführt wurde." />
225                  <min value="1" />
226                  <mustSupport value="true" />
227                  <mapping>
228                      <identity value="MIO-Impfpass" />
229                      <map value="Titer.Datum der Untersuchung" />
230                  </mapping>
231              </element>
232              <element id="Observation.performer">
233                  <path value="Observation.performer" />
234                  <max value="1" />
235                  <type>
236                      <code value="Reference" />
237                      <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitioner|1.00.000" />
238                  </type>
239                  <mustSupport value="true" />
240                  <mapping>
241                      <identity value="MIO-Impfpass" />
242                      <map value="Titer.Eintragende Person" />
243                  </mapping>
244              </element>
245              <element id="Observation.performer.extension">
246                  <path value="Observation.performer.extension" />
247                  <slicing>
248                      <discriminator>
249                          <type value="value" />
250                          <path value="url" />
251                      </discriminator>
252                      <rules value="open" />
253                  </slicing>
254              </element>
255              <element id="Observation.performer.extension:function">
256                  <path value="Observation.performer.extension" />
257                  <sliceName value="function" />
258                  <type>
259                      <code value="Extension" />
260                      <profile value="http://hl7.org/fhir/StructureDefinition/
        event-performerFunction" />
261                  </type>
262                  <mustSupport value="true" />
263              </element>
264              <element id="Observation.performer.extension:function.value[x]:valu
        eCodeableConcept">
```

```xml
            <path value="Observation.performer.extension.value[x]" />
            <sliceName value="valueCodeableConcept" />
        </element>
        <element id="Observation.performer.extension:function.value[x]:valueCodeableConcept.coding">
            <path value="Observation.performer.extension.value[x].coding" />
            <min value="1" />
            <max value="1" />
        </element>
        <element id="Observation.performer.extension:function.value[x]:valueCodeableConcept.coding.system">
            <path value="Observation.performer.extension.value[x].coding.system" />
            <min value="1" />
        </element>
        <element id="Observation.performer.extension:function.value[x]:valueCodeableConcept.coding.code">
            <path value="Observation.performer.extension.value[x].coding.code" />
            <min value="1" />
        </element>
        <element id="Observation.performer.extension:function.value[x]:valueCodeableConcept.text">
            <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-translatable">
                <valueBoolean value="true" />
            </extension>
            <path value="Observation.performer.extension.value[x].text" />
            <max value="0" />
        </element>
        <element id="Observation.performer.reference">
            <path value="Observation.performer.reference" />
            <min value="1" />
            <mustSupport value="true" />
        </element>
        <element id="Observation.performer.type">
            <path value="Observation.performer.type" />
            <max value="0" />
        </element>
        <element id="Observation.performer.identifier">
            <path value="Observation.performer.identifier" />
            <max value="0" />
        </element>
        <element id="Observation.performer.display">
            <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-translatable">
                <valueBoolean value="true" />
            </extension>
            <path value="Observation.performer.display" />
            <max value="0" />
        </element>
        <element id="Observation.value[x]">
            <path value="Observation.value[x]" />
            <max value="0" />
        </element>
        <element id="Observation.dataAbsentReason">
            <path value="Observation.dataAbsentReason" />
            <max value="0" />
        </element>
```

```
316            <element id="Observation.interpretation">
317                <path value="Observation.interpretation" />
318                <short value="Nachweisbarkeit" />
319                <definition value="Die Nachweisbarkeit beschreibt das Erreichen
        der Nachweisgrenze und damit das Ergebnis des Tests. Das Ergebnis ist im
        Sinne von Positiv/Negativ anzugeben, dazu ist ein Code der LOINC Answer-
        List zu verwenden. Das Ergebnis erlaubt noch keine Aussage über die
        Immunität." />
320                <min value="1" />
321                <max value="1" />
322                <mustSupport value="true" />
323                <binding>
324                    <strength value="required" />
325                    <valueSet value="https://fhir.kbv.de/ValueSet/
        KBV_VS_MIO_Vaccination_Lab_Titer_Immunity" />
326                </binding>
327                <mapping>
328                    <identity value="MIO-Impfpass" />
329                    <map value="Titer.Immunität" />
330                </mapping>
331            </element>
332            <element id="Observation.interpretation.coding">
333                <path value="Observation.interpretation.coding" />
334                <min value="1" />
335                <max value="1" />
336                <mustSupport value="true" />
337            </element>
338            <element id="Observation.interpretation.coding.system">
339                <path value="Observation.interpretation.coding.system" />
340                <min value="1" />
341            </element>
342            <element id="Observation.interpretation.coding.version">
343                <path value="Observation.interpretation.coding.version" />
344                <min value="1" />
345            </element>
346            <element id="Observation.interpretation.coding.code">
347                <path value="Observation.interpretation.coding.code" />
348                <min value="1" />
349            </element>
350            <element id="Observation.interpretation.coding.display">
351                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
352                    <valueBoolean value="true" />
353                </extension>
354                <path value="Observation.interpretation.coding.display" />
355                <min value="1" />
356            </element>
357            <element id="Observation.interpretation.coding.userSelected">
358                <path value="Observation.interpretation.coding.userSelected" />
359                <max value="0" />
360            </element>
361            <element id="Observation.interpretation.text">
362                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
363                    <valueBoolean value="true" />
364                </extension>
365                <path value="Observation.interpretation.text" />
```

```xml
366                    <definition value="In diesem Attribut sollen die entsprechende
        deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
        werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
        fhir.kbv.de/ConceptMap/KBV_CM_MIO_Vaccination_Lab_Titer_Immunity_German" />
367                    <min value="1" />
368                    <mustSupport value="true" />
369                </element>
370                <element id="Observation.note">
371                    <path value="Observation.note" />
372                    <short value="Ergänzende Angaben zur Titerbestimmung" />
373                    <definition value="Ergänzende Angaben zur Titerbestimmung" />
374                    <max value="1" />
375                    <mustSupport value="true" />
376                    <mapping>
377                        <identity value="MIO-Impfpass" />
378                        <map value="Titer.Ergänzende Angaben zur Titerbestimmung" /
        >
379                    </mapping>
380                </element>
381                <element id="Observation.note.author[x]">
382                    <path value="Observation.note.author[x]" />
383                    <max value="0" />
384                </element>
385                <element id="Observation.note.time">
386                    <path value="Observation.note.time" />
387                    <max value="0" />
388                </element>
389                <element id="Observation.bodySite">
390                    <path value="Observation.bodySite" />
391                    <max value="0" />
392                </element>
393                <element id="Observation.method">
394                    <path value="Observation.method" />
395                    <max value="0" />
396                </element>
397                <element id="Observation.specimen">
398                    <path value="Observation.specimen" />
399                    <max value="0" />
400                </element>
401                <element id="Observation.device">
402                    <path value="Observation.device" />
403                    <max value="0" />
404                </element>
405                <element id="Observation.referenceRange">
406                    <path value="Observation.referenceRange" />
407                    <max value="0" />
408                </element>
409                <element id="Observation.hasMember">
410                    <path value="Observation.hasMember" />
411                    <max value="0" />
412                </element>
413                <element id="Observation.derivedFrom">
414                    <path value="Observation.derivedFrom" />
415                    <max value="0" />
416                </element>
417                <element id="Observation.component">
418                    <path value="Observation.component" />
419                    <max value="0" />
420                </element>
421        </differential>
```

```
422    </StructureDefinition>
```

6. KBV_PR_MIO_VACCINATION_PATIENT

KBV_PR_MIO_Vaccination_Patient

```
 1  <StructureDefinition xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/StructureDefinition/
        KBV_PR_MIO_Vaccination_Patient" />
 3      <version value="1.00.000" />
 4      <name value="KBV_PR_MIO_Vaccination_Patient" />
 5      <status value="active" />
 6      <date value="2020-05-19" />
 7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
        (KBV). All rights reserved." />
 9      <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <mapping>
16          <identity value="cda" />
17          <uri value="http://hl7.org/v3/cda" />
18          <name value="CDA (R2)" />
19      </mapping>
20      <mapping>
21          <identity value="w5" />
22          <uri value="http://hl7.org/fhir/fivews" />
23          <name value="FiveWs Pattern Mapping" />
24      </mapping>
25      <mapping>
26          <identity value="v2" />
27          <uri value="http://hl7.org/v2" />
28          <name value="HL7 v2 Mapping" />
29      </mapping>
30      <mapping>
31          <identity value="loinc" />
32          <uri value="http://loinc.org" />
33          <name value="LOINC code for the element" />
34      </mapping>
35      <kind value="resource" />
36      <abstract value="false" />
37      <type value="Patient" />
38      <baseDefinition value="https://fhir.kbv.de/StructureDefinition/
        KBV_PR_Base_Patient|1.00.002" />
39      <derivation value="constraint" />
40      <differential>
41          <element id="Patient">
42              <path value="Patient" />
43              <short value="Patient" />
44              <definition value="Dieses Element beschreibt eine Person, die
                eine oder mehrere medizinische Leistungen in Anspruch nimmt." />
45              <mapping>
46                  <identity value="MIO-Impfpass" />
47                  <map value="Patient.Geburtsdatum" />
48              </mapping>
49          </element>
50          <element id="Patient.id">
```

```
51              <path value="Patient.id" />
52              <min value="1" />
53          </element>
54          <element id="Patient.meta">
55              <path value="Patient.meta" />
56              <min value="1" />
57          </element>
58          <element id="Patient.meta.versionId">
59              <path value="Patient.meta.versionId" />
60              <max value="0" />
61          </element>
62          <element id="Patient.meta.lastUpdated">
63              <path value="Patient.meta.lastUpdated" />
64              <max value="0" />
65          </element>
66          <element id="Patient.meta.source">
67              <path value="Patient.meta.source" />
68              <max value="0" />
69          </element>
70          <element id="Patient.meta.profile">
71              <path value="Patient.meta.profile" />
72              <min value="1" />
73              <max value="1" />
74              <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
       KBV_PR_MIO_Vaccination_Patient|1.00.000" />
75          </element>
76          <element id="Patient.meta.security">
77              <path value="Patient.meta.security" />
78              <max value="0" />
79          </element>
80          <element id="Patient.meta.tag">
81              <path value="Patient.meta.tag" />
82              <max value="0" />
83          </element>
84          <element id="Patient.implicitRules">
85              <path value="Patient.implicitRules" />
86              <max value="0" />
87          </element>
88          <element id="Patient.language">
89              <path value="Patient.language" />
90              <max value="0" />
91          </element>
92          <element id="Patient.contained">
93              <path value="Patient.contained" />
94              <max value="0" />
95          </element>
96          <element id="Patient.identifier">
97              <path value="Patient.identifier" />
98              <slicing>
99                  <discriminator>
100                     <type value="value" />
101                     <path value="type.coding.code" />
102                 </discriminator>
103                 <rules value="closed" />
104             </slicing>
105             <min value="1" />
106             <mustSupport value="true" />
107         </element>
108         <element id="Patient.identifier:pid">
109             <path value="Patient.identifier" />
```

```xml
110              <sliceName value="pid" />
111              <max value="1" />
112          </element>
113          <element id="Patient.identifier:pid.type.coding:MR-Type">
114              <path value="Patient.identifier.type.coding" />
115              <sliceName value="MR-Type" />
116          </element>
117          <element id="Patient.identifier:pid.type.coding:MR-
     Type.userSelected">
118              <path value="Patient.identifier.type.coding.userSelected" />
119              <max value="0" />
120          </element>
121          <element id="Patient.identifier:pid.type.text">
122              <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
123                  <valueBoolean value="true" />
124              </extension>
125              <path value="Patient.identifier.type.text" />
126              <max value="0" />
127          </element>
128          <element id="Patient.identifier:pid.period">
129              <path value="Patient.identifier.period" />
130              <max value="0" />
131          </element>
132          <element id="Patient.identifier:pid.assigner">
133              <path value="Patient.identifier.assigner" />
134              <max value="0" />
135          </element>
136          <element id="Patient.identifier:versichertenId_GKV">
137              <path value="Patient.identifier" />
138              <sliceName value="versichertenId_GKV" />
139              <definition value="Unveränderlicher Teil der einheitlichen
     Krankenversicherungsnummer der GKV gemäß § 290 SGB V." />
140              <mustSupport value="true" />
141              <mapping>
142                  <identity value="MIO-Impfpass" />
143                  <map value="Person.identifier.Versichertennummer" />
144              </mapping>
145          </element>
146          <element id="Patient.identifier:versichertenId_GKV.type.coding">
147              <path value="Patient.identifier.type.coding" />
148              <max value="1" />
149          </element>
150          <element id="Patient.identifier:versichertenId_GKV.type.coding:GKV-
     Type">
151              <path value="Patient.identifier.type.coding" />
152              <sliceName value="GKV-Type" />
153          </element>
154          <element id="Patient.identifier:versichertenId_GKV.type.coding:GKV-
     Type.userSelected">
155              <path value="Patient.identifier.type.coding.userSelected" />
156              <max value="0" />
157          </element>
158          <element id="Patient.identifier:versichertenId_GKV.type.text">
159              <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
160                  <valueBoolean value="true" />
161              </extension>
162              <path value="Patient.identifier.type.text" />
163              <max value="0" />
```

```
164              </element>
165              <element id="Patient.identifier:versichertenId_GKV.value">
166                  <path value="Patient.identifier.value" />
167                  <maxLength value="10" />
168              </element>
169              <element id="Patient.identifier:versichertenId_GKV.period">
170                  <path value="Patient.identifier.period" />
171                  <max value="0" />
172              </element>
173              <element id="Patient.identifier:versichertenId_GKV.assigner">
174                  <path value="Patient.identifier.assigner" />
175                  <max value="0" />
176              </element>
177              <element id="Patient.identifier:versichertennummer_pkv">
178                  <path value="Patient.identifier" />
179                  <sliceName value="versichertennummer_pkv" />
180                  <mustSupport value="true" />
181              </element>
182              <element id="Patient.identifier:versichertennummer_pkv.type.coding:
     PKV-Type">
183                  <path value="Patient.identifier.type.coding" />
184                  <sliceName value="PKV-Type" />
185              </element>
186              <element id="Patient.identifier:versichertennummer_pkv.type.coding:
     PKV-Type.userSelected">
187                  <path value="Patient.identifier.type.coding.userSelected" />
188                  <max value="0" />
189              </element>
190              <element id="Patient.identifier:versichertennummer_pkv.type.text">
191                  <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
192                      <valueBoolean value="true" />
193                  </extension>
194                  <path value="Patient.identifier.type.text" />
195                  <max value="0" />
196              </element>
197              <element id="Patient.identifier:reisepassnummer">
198                  <path value="Patient.identifier" />
199                  <sliceName value="reisepassnummer" />
200                  <mustSupport value="true" />
201                  <mapping>
202                      <identity value="MIO-Impfpass" />
203                      <map value="Person.identifier.Reispassnummer" />
204                  </mapping>
205              </element>
206              <element id="Patient.identifier:reisepassnummer.type.coding">
207                  <path value="Patient.identifier.type.coding" />
208                  <max value="1" />
209              </element>
210              <element id="Patient.identifier:reisepassnummer.type.coding:Passpor
     t-Type">
211                  <path value="Patient.identifier.type.coding" />
212                  <sliceName value="Passport-Type" />
213              </element>
214              <element id="Patient.identifier:reisepassnummer.type.coding:Passpor
     t-Type.userSelected">
215                  <path value="Patient.identifier.type.coding.userSelected" />
216                  <max value="0" />
217              </element>
218              <element id="Patient.identifier:reisepassnummer.type.text">
```

```xml
219              <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
220                  <valueBoolean value="true" />
221              </extension>
222              <path value="Patient.identifier.type.text" />
223              <max value="0" />
224          </element>
225          <element id="Patient.identifier:reisepassnummer.system">
226              <path value="Patient.identifier.system" />
227              <mustSupport value="true" />
228          </element>
229          <element id="Patient.identifier:reisepassnummer.value">
230              <path value="Patient.identifier.value" />
231              <mustSupport value="true" />
232          </element>
233          <element id="Patient.identifier:reisepassnummer.period">
234              <path value="Patient.identifier.period" />
235              <max value="0" />
236          </element>
237          <element id="Patient.identifier:reisepassnummer.assigner">
238              <path value="Patient.identifier.assigner" />
239              <max value="0" />
240          </element>
241          <element id="Patient.identifier:versichertennummer_kvk">
242              <path value="Patient.identifier" />
243              <sliceName value="versichertennummer_kvk" />
244              <mustSupport value="true" />
245          </element>
246          <element id="Patient.identifier:versichertennummer_kvk.type.coding:
       kvk">
247              <path value="Patient.identifier.type.coding" />
248              <sliceName value="kvk" />
249              <min value="1" />
250              <max value="1" />
251          </element>
252          <element id="Patient.identifier:versichertennummer_kvk.type.coding:
       kvk.userSelected">
253              <path value="Patient.identifier.type.coding.userSelected" />
254              <max value="0" />
255          </element>
256          <element id="Patient.identifier:versichertennummer_kvk.type.text">
257              <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
258                  <valueBoolean value="true" />
259              </extension>
260              <path value="Patient.identifier.type.text" />
261              <max value="0" />
262          </element>
263          <element id="Patient.identifier:versichertennummer_kvk.period">
264              <path value="Patient.identifier.period" />
265              <max value="0" />
266          </element>
267          <element id="Patient.identifier:versichertennummer_kvk.assigner">
268              <path value="Patient.identifier.assigner" />
269              <max value="0" />
270          </element>
271          <element id="Patient.active">
272              <path value="Patient.active" />
273              <max value="0" />
274          </element>
```

```
275          <element id="Patient.name">
276              <path value="Patient.name" />
277              <slicing>
278                  <discriminator>
279                      <type value="value" />
280                      <path value="use" />
281                  </discriminator>
282                  <rules value="closed" />
283              </slicing>
284              <mustSupport value="true" />
285          </element>
286          <element id="Patient.name:name">
287              <path value="Patient.name" />
288              <sliceName value="name" />
289              <min value="1" />
290              <constraint>
291                  <key value="Nachname" />
292                  <severity value="error" />
293                  <human value="Der Nachname darf nicht absolut leer sein" />
294                  <expression value="family.extension('http://hl7.org/fhir/
      StructureDefinition/humanname-own-name').valueString.length()>0" />
295                  <source value="Patient" />
296              </constraint>
297              <constraint>
298                  <key value="Vorname" />
299                  <severity value="error" />
300                  <human value="Der Vorname darf nicht absolut leer sein" />
301                  <expression value="given.length()>0" />
302                  <source value="Patient" />
303              </constraint>
304              <mustSupport value="true" />
305          </element>
306          <element id="Patient.name:name.text">
307              <path value="Patient.name.text" />
308              <definition value="Vollständiger Name mit allen Vorsatzwörtern,
      Titeln und Namenszusätzen. Der vollständige Name soll alle Namensteile in
      ihrer korrekten Reihenfolge abbilden." />
309              <mustSupport value="true" />
310              <mapping>
311                  <identity value="MIO-Impfpass" />
312                  <map value="Patient.Name.Vollständiger Name" />
313              </mapping>
314          </element>
315          <element id="Patient.name:name.family">
316              <path value="Patient.name.family" />
317              <mustSupport value="true" />
318          </element>
319          <element id="Patient.name:name.family.extension:namenszusatz">
320              <path value="Patient.name.family.extension" />
321              <sliceName value="namenszusatz" />
322              <mustSupport value="true" />
323              <mapping>
324                  <identity value="MIO-Impfpass" />
325                  <map value="Person.Name.Namenszusatz" />
326              </mapping>
327          </element>
328          <element id="Patient.name:name.family.extension:namenszusatz.value[
      x]">
329              <path value="Patient.name.family.extension.value[x]" />
330              <maxLength value="20" />
```

```
331              </element>
332          <element id="Patient.name:name.family.extension:nachname">
333              <path value="Patient.name.family.extension" />
334              <sliceName value="nachname" />
335              <min value="1" />
336              <mustSupport value="true" />
337              <mapping>
338                  <identity value="MIO-Impfpass" />
339                  <map value="Person.Name.Nachname" />
340              </mapping>
341          </element>
342          <element id="Patient.name:name.family.extension:vorsatzwort">
343              <path value="Patient.name.family.extension" />
344              <sliceName value="vorsatzwort" />
345              <mustSupport value="true" />
346              <mapping>
347                  <identity value="MIO-Impfpass" />
348                  <map value="Person.Name.Vorsatzwort" />
349              </mapping>
350          </element>
351          <element id="Patient.name:name.given">
352              <path value="Patient.name.given" />
353              <mustSupport value="true" />
354              <mapping>
355                  <identity value="MIO-Impfpass" />
356                  <map value="Patient.Name.Vorname" />
357              </mapping>
358          </element>
359          <element id="Patient.name:name.prefix">
360              <path value="Patient.name.prefix" />
361              <mustSupport value="true" />
362              <mapping>
363                  <identity value="MIO-Impfpass" />
364                  <map value="Patient.Name.Titel" />
365              </mapping>
366          </element>
367          <element id="Patient.name:name.prefix.extension:prefix-qualifier">
368              <path value="Patient.name.prefix.extension" />
369              <sliceName value="prefix-qualifier" />
370          </element>
371          <element id="Patient.name:name.prefix.extension:prefix-
     qualifier.value[x]:valueCode">
372              <path value="Patient.name.prefix.extension.value[x]" />
373              <sliceName value="valueCode" />
374              <min value="1" />
375          </element>
376          <element id="Patient.name:name.suffix">
377              <path value="Patient.name.suffix" />
378              <max value="0" />
379          </element>
380          <element id="Patient.name:name.period">
381              <path value="Patient.name.period" />
382              <max value="0" />
383          </element>
384          <element id="Patient.name:geburtsname">
385              <path value="Patient.name" />
386              <sliceName value="geburtsname" />
387              <definition value="Dieses Element beschreibt eine Person, die
     eine oder mehrere medizinische Leistungen in Anspruch nimmt." />
388              <constraint>
```

```xml
389                    <key value="Geburtsname" />
390                    <severity value="error" />
391                    <human value="Der Geburtsname darf nicht absolut leer
       sein" />
392                    <expression value="family.extension('http://hl7.org/fhir/
       StructureDefinition/humanname-own-name').valueString.length()>0" />
393                    <source value="Patient" />
394                </constraint>
395                <mustSupport value="true" />
396            </element>
397            <element id="Patient.name:geburtsname.text">
398                <path value="Patient.name.text" />
399                <definition value="Vollständiger Name mit allen Vorsatzwörtern,
       Titeln und Namenszusätzen. Der vollständige Name soll alle Namensteile in
       ihrer korrekten Reihenfolge abbilden." />
400                <mustSupport value="true" />
401                <mapping>
402                    <identity value="MIO-Impfpass" />
403                    <map value="Patient.Name.Vollständiger Name" />
404                </mapping>
405            </element>
406            <element id="Patient.name:geburtsname.family">
407                <path value="Patient.name.family" />
408                <mustSupport value="true" />
409            </element>
410            <element id="Patient.name:geburtsname.family.extension:nachname">
411                <path value="Patient.name.family.extension" />
412                <sliceName value="nachname" />
413                <min value="1" />
414                <mustSupport value="true" />
415            </element>
416            <element id="Patient.name:geburtsname.family.extension:nachname.val
       ue[x]:valueString">
417                <path value="Patient.name.family.extension.value[x]" />
418                <sliceName value="valueString" />
419                <mapping>
420                    <identity value="MIO-Impfpass" />
421                    <map value="Patient.Name.Geburtsname" />
422                </mapping>
423            </element>
424            <element id="Patient.name:geburtsname.suffix">
425                <path value="Patient.name.suffix" />
426                <max value="0" />
427            </element>
428            <element id="Patient.name:geburtsname.period">
429                <path value="Patient.name.period" />
430                <max value="0" />
431            </element>
432            <element id="Patient.telecom">
433                <path value="Patient.telecom" />
434                <max value="0" />
435            </element>
436            <element id="Patient.birthDate">
437                <path value="Patient.birthDate" />
438                <mustSupport value="true" />
439                <mapping>
440                    <identity value="MIO-Impfpass" />
441                    <map value="Patient.Geburtsdatum" />
442                </mapping>
443            </element>
```

```xml
                <element id="Patient.deceased[x]">
                    <path value="Patient.deceased[x]" />
                    <max value="0" />
                </element>
                <element id="Patient.address">
                    <path value="Patient.address" />
                    <max value="0" />
                </element>
                <element id="Patient.maritalStatus">
                    <path value="Patient.maritalStatus" />
                    <max value="0" />
                </element>
                <element id="Patient.multipleBirth[x]">
                    <path value="Patient.multipleBirth[x]" />
                    <max value="0" />
                </element>
                <element id="Patient.photo">
                    <path value="Patient.photo" />
                    <max value="0" />
                </element>
                <element id="Patient.contact">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-explicit-type-name">
                        <valueString value="Contact" />
                    </extension>
                    <path value="Patient.contact" />
                    <max value="0" />
                </element>
                <element id="Patient.communication">
                    <path value="Patient.communication" />
                    <max value="0" />
                </element>
                <element id="Patient.generalPractitioner">
                    <path value="Patient.generalPractitioner" />
                    <max value="0" />
                </element>
                <element id="Patient.managingOrganization">
                    <path value="Patient.managingOrganization" />
                    <max value="0" />
                </element>
                <element id="Patient.link">
                    <path value="Patient.link" />
                    <max value="0" />
                </element>
        </differential>
    </StructureDefinition>
```

7. KBV_PR_MIO_VACCINATION_PRACTITIONER

KBV_PR_MIO_Vaccination_Practitioner

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Practitioner" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Practitioner" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="v2" />
12          <uri value="http://hl7.org/v2" />
13          <name value="HL7 v2 Mapping" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="servd" />
22          <uri value="http://www.omg.org/spec/ServD/1.0/" />
23          <name value="ServD" />
24      </mapping>
25      <mapping>
26          <identity value="w5" />
27          <uri value="http://hl7.org/fhir/fivews" />
28          <name value="FiveWs Pattern Mapping" />
29      </mapping>
30      <kind value="resource" />
31      <abstract value="false" />
32      <type value="Practitioner" />
33      <baseDefinition value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_Base_Practitioner|1.00.002" />
34      <derivation value="constraint" />
35      <differential>
36          <element id="Practitioner">
37              <path value="Practitioner" />
38              <short value="A person with a  formal responsibility" />
39              <definition value="Mit diesem Profil können sowohl ärztliche
    als auch nicht-ärztliche Behandelnde abgebildet werden. Es sind diverse
    Identifier zur Abdeckung dieser Bandbreite vorgesehen." />
40          </element>
41          <element id="Practitioner.id">
42              <path value="Practitioner.id" />
43              <min value="1" />
44          </element>
45          <element id="Practitioner.meta">
46              <path value="Practitioner.meta" />
47              <min value="1" />
48          </element>
49          <element id="Practitioner.meta.versionId">
```

```
 50              <path value="Practitioner.meta.versionId" />
 51              <max value="0" />
 52          </element>
 53          <element id="Practitioner.meta.lastUpdated">
 54              <path value="Practitioner.meta.lastUpdated" />
 55              <max value="0" />
 56          </element>
 57          <element id="Practitioner.meta.source">
 58              <path value="Practitioner.meta.source" />
 59              <max value="0" />
 60          </element>
 61          <element id="Practitioner.meta.profile">
 62              <path value="Practitioner.meta.profile" />
 63              <min value="1" />
 64              <max value="1" />
 65              <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
     KBV_PR_MIO_Vaccination_Practitioner|1.00.000" />
 66          </element>
 67          <element id="Practitioner.meta.security">
 68              <path value="Practitioner.meta.security" />
 69              <max value="0" />
 70          </element>
 71          <element id="Practitioner.meta.tag">
 72              <path value="Practitioner.meta.tag" />
 73              <max value="0" />
 74          </element>
 75          <element id="Practitioner.implicitRules">
 76              <path value="Practitioner.implicitRules" />
 77              <max value="0" />
 78          </element>
 79          <element id="Practitioner.language">
 80              <path value="Practitioner.language" />
 81              <max value="0" />
 82          </element>
 83          <element id="Practitioner.contained">
 84              <path value="Practitioner.contained" />
 85              <max value="0" />
 86          </element>
 87          <element id="Practitioner.extension:ergaenzende_Angaben">
 88              <path value="Practitioner.extension" />
 89              <sliceName value="ergaenzende_Angaben" />
 90              <type>
 91                  <code value="Extension" />
 92                  <profile value="https://fhir.kbv.de/StructureDefinition/
     KBV_EX_MIO_Vaccination_Additional_Comment|1.00.000" />
 93              </type>
 94              <mustSupport value="true" />
 95              <mapping>
 96                  <identity value="MIO-Impfpass" />
 97                  <map value="Verantwortliche Person.Ergänzende Angaben zur
     Person" />
 98              </mapping>
 99          </element>
100          <element id="Practitioner.identifier">
101              <path value="Practitioner.identifier" />
102              <slicing>
103                  <discriminator>
104                      <type value="value" />
105                      <path value="type.coding.code" />
106                  </discriminator>
```

```
107                        <rules value="closed" />
108                    </slicing>
109                    <min value="1" />
110                    <max value="1" />
111                    <mustSupport value="true" />
112                </element>
113                <element id="Practitioner.identifier:ANR">
114                    <path value="Practitioner.identifier" />
115                    <sliceName value="ANR" />
116                    <max value="1" />
117                    <mustSupport value="true" />
118                </element>
119                <element id="Practitioner.identifier:ANR.period">
120                    <path value="Practitioner.identifier.period" />
121                    <max value="0" />
122                </element>
123                <element id="Practitioner.identifier:ANR.assigner">
124                    <path value="Practitioner.identifier.assigner" />
125                    <max value="0" />
126                </element>
127                <element id="Practitioner.identifier:EFN">
128                    <path value="Practitioner.identifier" />
129                    <sliceName value="EFN" />
130                    <mustSupport value="true" />
131                </element>
132                <element id="Practitioner.identifier:EFN.period">
133                    <path value="Practitioner.identifier.period" />
134                    <max value="0" />
135                </element>
136                <element id="Practitioner.identifier:EFN.assigner">
137                    <path value="Practitioner.identifier.assigner" />
138                    <max value="0" />
139                </element>
140                <element id="Practitioner.identifier:id">
141                    <path value="Practitioner.identifier" />
142                    <sliceName value="id" />
143                    <short value="Identifikator" />
144                    <definition value="Nicht näher spezifizierter Identifikator
        einer nicht ärztlichen, behandelnden Person." />
145                    <max value="1" />
146                    <mustSupport value="true" />
147                    <mapping>
148                        <identity value="MIO-Impfpass" />
149                        <map value="Verantwortliche Person.identifier" />
150                    </mapping>
151                    <mapping>
152                        <identity value="MIO-Impfpass" />
153                        <map value="Eintragende Person.identifier" />
154                    </mapping>
155                </element>
156                <element id="Practitioner.identifier:id.use">
157                    <path value="Practitioner.identifier.use" />
158                    <max value="0" />
159                </element>
160                <element id="Practitioner.identifier:id.type">
161                    <path value="Practitioner.identifier.type" />
162                    <min value="1" />
163                </element>
164                <element id="Practitioner.identifier:id.type.coding">
165                    <path value="Practitioner.identifier.type.coding" />
```

```xml
166              <min value="1" />
167              <max value="1" />
168          </element>
169          <element id="Practitioner.identifier:id.type.coding.system">
170              <path value="Practitioner.identifier.type.coding.system" />
171              <min value="1" />
172              <fixedUri value="http://terminology.hl7.org/CodeSystem/
     v2-0203" />
173          </element>
174          <element id="Practitioner.identifier:id.type.coding.code">
175              <path value="Practitioner.identifier.type.coding.code" />
176              <min value="1" />
177              <fixedCode value="ESN" />
178          </element>
179          <element id="Practitioner.identifier:id.type.coding.userSelected">
180              <path value="Practitioner.identifier.type.coding.userSelected"
     />
181              <max value="0" />
182          </element>
183          <element id="Practitioner.identifier:id.type.text">
184              <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
185                  <valueBoolean value="true" />
186              </extension>
187              <path value="Practitioner.identifier.type.text" />
188              <max value="0" />
189          </element>
190          <element id="Practitioner.identifier:id.value">
191              <path value="Practitioner.identifier.value" />
192              <min value="1" />
193          </element>
194          <element id="Practitioner.identifier:id.period">
195              <path value="Practitioner.identifier.period" />
196              <max value="0" />
197          </element>
198          <element id="Practitioner.identifier:id.assigner">
199              <path value="Practitioner.identifier.assigner" />
200              <max value="0" />
201          </element>
202          <element id="Practitioner.active">
203              <path value="Practitioner.active" />
204              <max value="0" />
205          </element>
206          <element id="Practitioner.name">
207              <path value="Practitioner.name" />
208              <slicing>
209                  <discriminator>
210                      <type value="value" />
211                      <path value="use" />
212                  </discriminator>
213                  <rules value="closed" />
214              </slicing>
215              <mustSupport value="true" />
216          </element>
217          <element id="Practitioner.name:name">
218              <path value="Practitioner.name" />
219              <sliceName value="name" />
220              <min value="1" />
221              <constraint>
222                  <key value="Nachname" />
```

```
223                          <severity value="error" />
224                          <human value="Der Nachname darf nicht absolut leer sein" />
225                          <expression value="family.extension('http://hl7.org/fhir/
     StructureDefinition/humanname-own-name').valueString.length()>0" />
226                          <source value="Practitioner" />
227                      </constraint>
228                      <constraint>
229                          <key value="Vorname" />
230                          <severity value="error" />
231                          <human value="Der Vorname darf nicht absolut leer sein" />
232                          <expression value="given.length()>0" />
233                          <source value="Practitioner" />
234                      </constraint>
235                      <mustSupport value="true" />
236                  </element>
237                  <element id="Practitioner.name:name.text">
238                      <path value="Practitioner.name.text" />
239                      <definition value="Vollständiger Name mit allen Vorsatzwörtern,
     Titeln und Namenszusätzen. Der vollständige Name soll alle Namensteile in
     ihrer korrekten Reihenfolge abbilden." />
240                      <mustSupport value="true" />
241                      <mapping>
242                          <identity value="MIO-Impfpass" />
243                          <map value="Verantwortliche Person.Name.Vollständiger
     Name" />
244                      </mapping>
245                      <mapping>
246                          <identity value="MIO-Impfpass" />
247                          <map value="Eintragende Person.Name.Vollständiger Name" />
248                      </mapping>
249                  </element>
250                  <element id="Practitioner.name:name.family">
251                      <path value="Practitioner.name.family" />
252                      <mustSupport value="true" />
253                  </element>
254                  <element id="Practitioner.name:name.family.extension:namenszusatz">
255                      <path value="Practitioner.name.family.extension" />
256                      <sliceName value="namenszusatz" />
257                      <mustSupport value="true" />
258                      <mapping>
259                          <identity value="MIO-Impfpass" />
260                          <map value="Eintragende Person.Name.Namenszusatz" />
261                      </mapping>
262                      <mapping>
263                          <identity value="MIO-Impfpass" />
264                          <map value="Verantwortliche Person.Name.Namenszusatz" />
265                      </mapping>
266                  </element>
267                  <element id="Practitioner.name:name.family.extension:namenszusatz.v
     alue[x]">
268                      <path value="Practitioner.name.family.extension.value[x]" />
269                      <maxLength value="20" />
270                  </element>
271                  <element id="Practitioner.name:name.family.extension:nachname">
272                      <path value="Practitioner.name.family.extension" />
273                      <sliceName value="nachname" />
274                      <min value="1" />
275                      <mustSupport value="true" />
276                      <mapping>
277                          <identity value="MIO-Impfpass" />
```

```xml
                    <map value="Verantwortliche Person.Name.Nachname" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Person.Name.Nachname" />
                </mapping>
            </element>
            <element id="Practitioner.name:name.family.extension:nachname.value[x]:valueString">
                <path value="Practitioner.name.family.extension.value[x]" />
                <sliceName value="valueString" />
                <maxLength value="45" />
            </element>
            <element id="Practitioner.name:name.family.extension:vorsatzwort">
                <path value="Practitioner.name.family.extension" />
                <sliceName value="vorsatzwort" />
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Verantwortliche Person.Name.Vorsatzwort" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Person.Name.Vorsatzwort" />
                </mapping>
            </element>
            <element id="Practitioner.name:name.family.extension:vorsatzwort.value[x]:valueString">
                <path value="Practitioner.name.family.extension.value[x]" />
                <sliceName value="valueString" />
                <maxLength value="20" />
            </element>
            <element id="Practitioner.name:name.given">
                <path value="Practitioner.name.given" />
                <min value="1" />
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Verantwortliche Patient.Name.Vorname" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Patient.Name.Vorname" />
                </mapping>
            </element>
            <element id="Practitioner.name:name.prefix">
                <path value="Practitioner.name.prefix" />
                <max value="1" />
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Verantwortliche Patient.Name.Titel" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Patient.Name.Titel" />
                </mapping>
            </element>
            <element id="Practitioner.name:name.prefix.extension:prefix-qualifier">
```

```
335                <path value="Practitioner.name.prefix.extension" />
336                <sliceName value="prefix-qualifier" />
337            </element>
338            <element id="Practitioner.name:name.prefix.extension:prefix-
       qualifier.value[x]:valueCode">
339                <path value="Practitioner.name.prefix.extension.value[x]" />
340                <sliceName value="valueCode" />
341                <min value="1" />
342            </element>
343            <element id="Practitioner.name:name.suffix">
344                <path value="Practitioner.name.suffix" />
345                <max value="0" />
346            </element>
347            <element id="Practitioner.name:name.period">
348                <path value="Practitioner.name.period" />
349                <max value="0" />
350            </element>
351            <element id="Practitioner.name:geburtsname">
352                <path value="Practitioner.name" />
353                <sliceName value="geburtsname" />
354                <mustSupport value="true" />
355            </element>
356            <element id="Practitioner.name:geburtsname.family.extension:nachnam
       e">
357                <path value="Practitioner.name.family.extension" />
358                <sliceName value="nachname" />
359                <min value="1" />
360            </element>
361            <element id="Practitioner.name:geburtsname.family.extension:nachnam
       e.value[x]:valueString">
362                <path value="Practitioner.name.family.extension.value[x]" />
363                <sliceName value="valueString" />
364                <maxLength value="45" />
365                <mapping>
366                    <identity value="MIO-Impfpass" />
367                    <map value="Verantwortliche Person.Name.Geburtsname" />
368                </mapping>
369                <mapping>
370                    <identity value="MIO-Impfpass" />
371                    <map value="Eintragende Person.Name.Geburtsname" />
372                </mapping>
373            </element>
374            <element id="Practitioner.name:geburtsname.suffix">
375                <path value="Practitioner.name.suffix" />
376                <max value="0" />
377            </element>
378            <element id="Practitioner.name:geburtsname.period">
379                <path value="Practitioner.name.period" />
380                <max value="0" />
381            </element>
382            <element id="Practitioner.telecom">
383                <path value="Practitioner.telecom" />
384                <short value="Kontaktinformation" />
385                <definition value="Dieses Element beschreibt die
       Kontaktinformationen einer Person." />
386                <mustSupport value="true" />
387                <mapping>
388                    <identity value="MIO-Impfpass" />
389                    <map value="Verantwortliche Person.Kontakt" />
390                </mapping>
```

```
391                    <mapping>
392                        <identity value="MIO-Impfpass" />
393                        <map value="Eintragende Person.Kontakt" />
394                    </mapping>
395                </element>
396                <element id="Practitioner.telecom.system">
397                    <path value="Practitioner.telecom.system" />
398                    <min value="1" />
399                </element>
400                <element id="Practitioner.telecom.value">
401                    <path value="Practitioner.telecom.value" />
402                    <min value="1" />
403                </element>
404                <element id="Practitioner.telecom.use">
405                    <path value="Practitioner.telecom.use" />
406                    <max value="0" />
407                </element>
408                <element id="Practitioner.telecom.rank">
409                    <path value="Practitioner.telecom.rank" />
410                    <max value="0" />
411                </element>
412                <element id="Practitioner.telecom.period">
413                    <path value="Practitioner.telecom.period" />
414                    <max value="0" />
415                </element>
416                <element id="Practitioner.address">
417                    <path value="Practitioner.address" />
418                    <max value="0" />
419                </element>
420                <element id="Practitioner.gender">
421                    <path value="Practitioner.gender" />
422                    <max value="0" />
423                </element>
424                <element id="Practitioner.birthDate">
425                    <path value="Practitioner.birthDate" />
426                    <max value="0" />
427                </element>
428                <element id="Practitioner.photo">
429                    <path value="Practitioner.photo" />
430                    <max value="0" />
431                </element>
432                <element id="Practitioner.qualification">
433                    <path value="Practitioner.qualification" />
434                    <slicing>
435                        <discriminator>
436                            <type value="exists" />
437                            <path value="code.text" />
438                        </discriminator>
439                        <rules value="closed" />
440                    </slicing>
441                    <short value="Funktionsbezeichnung" />
442                    <definition value="Das Element beschreibt die Funktion der
      Person (z.B.: Hebamme)." />
443                    <min value="1" />
444                    <max value="1" />
445                    <mustSupport value="true" />
446                    <mapping>
447                        <identity value="MIO-Impfpass" />
448                        <map value="Verantwortliche Person.Funktionsbezeichnung" />
449                    </mapping>
```

```xml
450                    <mapping>
451                        <identity value="MIO-Impfpass" />
452                        <map value="Eintragende Person.Funktionsbezeichnung" />
453                    </mapping>
454                </element>
455                <element id="Practitioner.qualification:practitioner_speciality">
456                    <path value="Practitioner.qualification" />
457                    <sliceName value="practitioner_speciality" />
458                    <min value="1" />
459                    <max value="1" />
460                </element>
461                <element id="Practitioner.qualification:practitioner_speciality.identifier">
462                    <path value="Practitioner.qualification.identifier" />
463                    <max value="0" />
464                </element>
465                <element id="Practitioner.qualification:practitioner_speciality.code">
466                    <path value="Practitioner.qualification.code" />
467                    <binding>
468                        <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-bindingName">
469                            <valueString value="Qualification" />
470                        </extension>
471                        <strength value="required" />
472                        <valueSet value="https://fhir.kbv.de/ValueSet/KBV_VS_MIO_Vaccination_Practitioner_Function" />
473                    </binding>
474                </element>
475                <element id="Practitioner.qualification:practitioner_speciality.code.coding.version">
476                    <path value="Practitioner.qualification.code.coding.version" />
477                    <definition value="Bei einem Snomed CT-Code soll die Version mit angegeben werden." />
478                </element>
479                <element id="Practitioner.qualification:practitioner_speciality.code.text">
480                    <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-translatable">
481                        <valueBoolean value="true" />
482                    </extension>
483                    <path value="Practitioner.qualification.code.text" />
484                    <max value="0" />
485                </element>
486                <element id="Practitioner.qualification:practitioner_speciality.period">
487                    <path value="Practitioner.qualification.period" />
488                    <max value="0" />
489                </element>
490                <element id="Practitioner.qualification:practitioner_speciality.issuer">
491                    <path value="Practitioner.qualification.issuer" />
492                    <max value="0" />
493                </element>
494                <element id="Practitioner.communication">
495                    <path value="Practitioner.communication" />
496                    <max value="0" />
497                </element>
498            </differential>
```

```
499    </StructureDefinition>
```

8. KBV_PR_MIO_VACCINATION_ORGANIZATION

KBV_PR_MIO_Vaccination_Organization

```
1    <StructureDefinition xmlns="http://hl7.org/fhir">
2        <url value="https://fhir.kbv.de/StructureDefinition/
     KBV_PR_MIO_Vaccination_Organization" />
3        <version value="1.00.000" />
4        <name value="KBV_PR_MIO_Vaccination_Organization" />
5        <status value="active" />
6        <date value="2020-05-19" />
7        <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8        <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
     (KBV). All rights reserved." />
9        <fhirVersion value="4.0.1" />
10       <mapping>
11           <identity value="v2" />
12           <uri value="http://hl7.org/v2" />
13           <name value="HL7 v2 Mapping" />
14       </mapping>
15       <mapping>
16           <identity value="rim" />
17           <uri value="http://hl7.org/v3" />
18           <name value="RIM Mapping" />
19       </mapping>
20       <mapping>
21           <identity value="servd" />
22           <uri value="http://www.omg.org/spec/ServD/1.0/" />
23           <name value="ServD" />
24       </mapping>
25       <mapping>
26           <identity value="w5" />
27           <uri value="http://hl7.org/fhir/fivews" />
28           <name value="FiveWs Pattern Mapping" />
29       </mapping>
30       <kind value="resource" />
31       <abstract value="false" />
32       <type value="Organization" />
33       <baseDefinition value="https://fhir.kbv.de/StructureDefinition/
     KBV_PR_Base_Organization|1.00.002" />
34       <derivation value="constraint" />
35       <differential>
36           <element id="Organization">
37               <path value="Organization" />
38               <short value="Einrichtung" />
39               <definition value="Dieses Profil beschreibt eine Einrichtung,
     zu der eine Person funktionell und organisatorisch zugehörig ist." />
40           </element>
41           <element id="Organization.id">
42               <path value="Organization.id" />
43               <min value="1" />
44           </element>
45           <element id="Organization.meta">
46               <path value="Organization.meta" />
47               <min value="1" />
48           </element>
49           <element id="Organization.meta.versionId">
50               <path value="Organization.meta.versionId" />
```

```
 51                        <max value="0" />
 52                    </element>
 53                <element id="Organization.meta.lastUpdated">
 54                        <path value="Organization.meta.lastUpdated" />
 55                        <max value="0" />
 56                    </element>
 57                <element id="Organization.meta.source">
 58                        <path value="Organization.meta.source" />
 59                        <max value="0" />
 60                    </element>
 61                <element id="Organization.meta.profile">
 62                        <path value="Organization.meta.profile" />
 63                        <min value="1" />
 64                        <max value="1" />
 65                        <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
        KBV_PR_MIO_Vaccination_Organization|1.00.000" />
 66                    </element>
 67                <element id="Organization.meta.security">
 68                        <path value="Organization.meta.security" />
 69                        <max value="0" />
 70                    </element>
 71                <element id="Organization.meta.tag">
 72                        <path value="Organization.meta.tag" />
 73                        <max value="0" />
 74                    </element>
 75                <element id="Organization.implicitRules">
 76                        <path value="Organization.implicitRules" />
 77                        <max value="0" />
 78                    </element>
 79                <element id="Organization.language">
 80                        <path value="Organization.language" />
 81                        <max value="0" />
 82                    </element>
 83                <element id="Organization.contained">
 84                        <path value="Organization.contained" />
 85                        <max value="0" />
 86                    </element>
 87                <element id="Organization.extension:ergaenzende_Angaben">
 88                        <path value="Organization.extension" />
 89                        <sliceName value="ergaenzende_Angaben" />
 90                        <type>
 91                            <code value="Extension" />
 92                            <profile value="https://fhir.kbv.de/StructureDefinition/
        KBV_EX_MIO_Vaccination_Additional_Comment|1.00.000" />
 93                        </type>
 94                    </element>
 95                <element id="Organization.identifier">
 96                        <path value="Organization.identifier" />
 97                        <slicing>
 98                            <discriminator>
 99                                <type value="value" />
100                                <path value="type.coding.code" />
101                            </discriminator>
102                            <rules value="closed" />
103                        </slicing>
104                        <max value="1" />
105                        <mustSupport value="true" />
106                    </element>
107                <element id="Organization.identifier:Institutionskennzeichen">
108                        <path value="Organization.identifier" />
```

```xml
109              <sliceName value="Institutionskennzeichen" />
110              <max value="1" />
111              <mustSupport value="true" />
112          </element>
113          <element id="Organization.identifier:Institutionskennzeichen.period">
114              <path value="Organization.identifier.period" />
115              <max value="0" />
116          </element>
117          <element id="Organization.identifier:Institutionskennzeichen.assigner">
118              <path value="Organization.identifier.assigner" />
119              <max value="0" />
120          </element>
121          <element id="Organization.identifier:Betriebsstaettennummer">
122              <path value="Organization.identifier" />
123              <sliceName value="Betriebsstaettennummer" />
124              <max value="1" />
125              <mustSupport value="true" />
126          </element>
127          <element id="Organization.identifier:Betriebsstaettennummer.period">
128              <path value="Organization.identifier.period" />
129              <max value="0" />
130          </element>
131          <element id="Organization.identifier:Betriebsstaettennummer.assigner">
132              <path value="Organization.identifier.assigner" />
133              <max value="0" />
134          </element>
135          <element id="Organization.identifier:VKNR">
136              <path value="Organization.identifier" />
137              <sliceName value="VKNR" />
138              <max value="0" />
139          </element>
140          <element id="Organization.identifier:KZV-Abrechnungsnummer">
141              <path value="Organization.identifier" />
142              <sliceName value="KZV-Abrechnungsnummer" />
143              <max value="0" />
144          </element>
145          <element id="Organization.active">
146              <path value="Organization.active" />
147              <max value="0" />
148          </element>
149          <element id="Organization.type">
150              <path value="Organization.type" />
151              <max value="0" />
152          </element>
153          <element id="Organization.name">
154              <path value="Organization.name" />
155              <min value="1" />
156              <mustSupport value="true" />
157          </element>
158          <element id="Organization.alias">
159              <path value="Organization.alias" />
160              <max value="0" />
161          </element>
162          <element id="Organization.telecom.system">
163              <path value="Organization.telecom.system" />
164              <min value="1" />
165          </element>
```

```xml
166          <element id="Organization.telecom.value">
167              <path value="Organization.telecom.value" />
168              <min value="1" />
169          </element>
170          <element id="Organization.telecom.use">
171              <path value="Organization.telecom.use" />
172              <max value="0" />
173          </element>
174          <element id="Organization.telecom.rank">
175              <path value="Organization.telecom.rank" />
176              <max value="0" />
177          </element>
178          <element id="Organization.telecom.period">
179              <path value="Organization.telecom.period" />
180              <max value="0" />
181          </element>
182          <element id="Organization.address">
183              <path value="Organization.address" />
184              <slicing>
185                  <discriminator>
186                      <type value="value" />
187                      <path value="type" />
188                  </discriminator>
189                  <rules value="closed" />
190              </slicing>
191              <min value="1" />
192              <max value="1" />
193              <type>
194                  <code value="Address" />
195                  <profile value="http://fhir.de/StructureDefinition/address-
de-basis" />
196              </type>
197          </element>
198          <element id="Organization.address:Strassenanschrift">
199              <path value="Organization.address" />
200              <sliceName value="Strassenanschrift" />
201          </element>
202          <element id="Organization.address:Strassenanschrift.use">
203              <path value="Organization.address.use" />
204              <max value="0" />
205          </element>
206          <element id="Organization.address:Strassenanschrift.postalCode">
207              <path value="Organization.address.postalCode" />
208              <min value="1" />
209          </element>
210          <element id="Organization.address:Strassenanschrift.period">
211              <path value="Organization.address.period" />
212              <max value="0" />
213          </element>
214          <element id="Organization.address:Postfach">
215              <path value="Organization.address" />
216              <sliceName value="Postfach" />
217          </element>
218          <element id="Organization.address:Postfach.use">
219              <path value="Organization.address.use" />
220              <max value="0" />
221          </element>
222          <element id="Organization.address:Postfach.text">
223              <path value="Organization.address.text" />
224              <max value="0" />
```

```
225              </element>
226              <element id="Organization.address:Postfach.state">
227                  <path value="Organization.address.state" />
228                  <max value="0" />
229              </element>
230              <element id="Organization.address:Postfach.postalCode">
231                  <path value="Organization.address.postalCode" />
232                  <min value="1" />
233              </element>
234              <element id="Organization.address:Postfach.period">
235                  <path value="Organization.address.period" />
236                  <max value="0" />
237              </element>
238              <element id="Organization.partOf">
239                  <path value="Organization.partOf" />
240                  <max value="0" />
241              </element>
242              <element id="Organization.contact">
243                  <path value="Organization.contact" />
244                  <max value="0" />
245              </element>
246              <element id="Organization.endpoint">
247                  <path value="Organization.endpoint" />
248                  <max value="0" />
249              </element>
250          </differential>
251      </StructureDefinition>
```

9. KBV_PR_MIO_VACCINATION_PRACTITIONERROLE

KBV_PR_MIO_Vaccination_Practitionerrole

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Practitionerrole" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Practitionerrole" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="v2" />
12          <uri value="http://hl7.org/v2" />
13          <name value="HL7 v2 Mapping" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="servd" />
22          <uri value="http://www.omg.org/spec/ServD/1.0/" />
23          <name value="ServD" />
24      </mapping>
25      <mapping>
26          <identity value="w5" />
27          <uri value="http://hl7.org/fhir/fivews" />
28          <name value="FiveWs Pattern Mapping" />
29      </mapping>
30      <kind value="resource" />
31      <abstract value="false" />
32      <type value="PractitionerRole" />
33      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    PractitionerRole" />
34      <derivation value="constraint" />
35      <differential>
36          <element id="PractitionerRole">
37              <path value="PractitionerRole" />
38              <definition value="Mit diesem Profil soll die Rolle des
    Behandelnden im Szenario des Daten Eintragens erhoben werden können, also
    in diesem Fall die Zugehörigkeit zu einer Organisation." />
39          </element>
40          <element id="PractitionerRole.id">
41              <path value="PractitionerRole.id" />
42              <min value="1" />
43          </element>
44          <element id="PractitionerRole.meta">
45              <path value="PractitionerRole.meta" />
46              <min value="1" />
47          </element>
48          <element id="PractitionerRole.meta.versionId">
49              <path value="PractitionerRole.meta.versionId" />
```

```xml
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.lastUpdated">
                    <path value="PractitionerRole.meta.lastUpdated" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.source">
                    <path value="PractitionerRole.meta.source" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.profile">
                    <path value="PractitionerRole.meta.profile" />
                    <min value="1" />
                    <max value="1" />
                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
                </element>
                <element id="PractitionerRole.meta.security">
                    <path value="PractitionerRole.meta.security" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.tag">
                    <path value="PractitionerRole.meta.tag" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.implicitRules">
                    <path value="PractitionerRole.implicitRules" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.language">
                    <path value="PractitionerRole.language" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.contained">
                    <path value="PractitionerRole.contained" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.identifier">
                    <path value="PractitionerRole.identifier" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.active">
                    <path value="PractitionerRole.active" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.period">
                    <path value="PractitionerRole.period" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.practitioner">
                    <path value="PractitionerRole.practitioner" />
                    <min value="1" />
                    <type>
                        <code value="Reference" />
                        <targetProfile value="https://fhir.kbv.de/
    StructureDefinition/KBV_PR_MIO_Vaccination_Practitioner|1.00.000" />
                    </type>
                    <mustSupport value="true" />
                </element>
                <element id="PractitionerRole.practitioner.reference">
```

```
108              <path value="PractitionerRole.practitioner.reference" />
109              <min value="1" />
110          </element>
111          <element id="PractitionerRole.practitioner.type">
112              <path value="PractitionerRole.practitioner.type" />
113              <max value="0" />
114          </element>
115          <element id="PractitionerRole.practitioner.identifier">
116              <path value="PractitionerRole.practitioner.identifier" />
117              <max value="0" />
118          </element>
119          <element id="PractitionerRole.practitioner.display">
120              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
121                  <valueBoolean value="true" />
122              </extension>
123              <path value="PractitionerRole.practitioner.display" />
124              <max value="0" />
125          </element>
126          <element id="PractitionerRole.organization">
127              <path value="PractitionerRole.organization" />
128              <min value="1" />
129              <type>
130                  <code value="Reference" />
131                  <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Organization|1.00.000" />
132              </type>
133              <mustSupport value="true" />
134          </element>
135          <element id="PractitionerRole.organization.reference">
136              <path value="PractitionerRole.organization.reference" />
137              <min value="1" />
138          </element>
139          <element id="PractitionerRole.organization.type">
140              <path value="PractitionerRole.organization.type" />
141              <max value="0" />
142          </element>
143          <element id="PractitionerRole.organization.identifier">
144              <path value="PractitionerRole.organization.identifier" />
145              <max value="0" />
146          </element>
147          <element id="PractitionerRole.organization.display">
148              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
149                  <valueBoolean value="true" />
150              </extension>
151              <path value="PractitionerRole.organization.display" />
152              <max value="0" />
153          </element>
154          <element id="PractitionerRole.code">
155              <path value="PractitionerRole.code" />
156              <max value="0" />
157          </element>
158          <element id="PractitionerRole.specialty">
159              <path value="PractitionerRole.specialty" />
160              <max value="0" />
161          </element>
162          <element id="PractitionerRole.location">
163              <path value="PractitionerRole.location" />
164              <max value="0" />
```

```xml
            </element>
            <element id="PractitionerRole.healthcareService">
                <path value="PractitionerRole.healthcareService" />
                <max value="0" />
            </element>
            <element id="PractitionerRole.telecom">
                <path value="PractitionerRole.telecom" />
                <max value="0" />
            </element>
            <element id="PractitionerRole.availableTime">
                <path value="PractitionerRole.availableTime" />
                <max value="0" />
            </element>
            <element id="PractitionerRole.notAvailable">
                <path value="PractitionerRole.notAvailable" />
                <max value="0" />
            </element>
            <element id="PractitionerRole.availabilityExceptions">
                <path value="PractitionerRole.availabilityExceptions" />
                <max value="0" />
            </element>
            <element id="PractitionerRole.endpoint">
                <path value="PractitionerRole.endpoint" />
                <max value="0" />
            </element>
        </differential>
    </StructureDefinition>
```

10. KBV_PR_MIO_VACCINATION_PRACTITIONER_ADDENDUM

KBV_PR_MIO_Vaccination_Practitioner_Addendum

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Practitioner_Addendum" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Practitioner_Addendum" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="v2" />
12          <uri value="http://hl7.org/v2" />
13          <name value="HL7 v2 Mapping" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="servd" />
22          <uri value="http://www.omg.org/spec/ServD/1.0/" />
23          <name value="ServD" />
24      </mapping>
25      <mapping>
26          <identity value="w5" />
27          <uri value="http://hl7.org/fhir/fivews" />
28          <name value="FiveWs Pattern Mapping" />
29      </mapping>
30      <kind value="resource" />
31      <abstract value="false" />
32      <type value="Practitioner" />
33      <baseDefinition value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_Base_Practitioner|1.00.002" />
34      <derivation value="constraint" />
35      <differential>
36          <element id="Practitioner">
37              <path value="Practitioner" />
38              <short value="A person with a  formal responsibility" />
39              <definition value="Mit diesem Profil können sowohl ärztliche
    als auch nicht-ärztliche Behandelnde abgebildet werden. Es sind diverse
    Identifier zur Abdeckung dieser Bandbreite vorgesehen." />
40          </element>
41          <element id="Practitioner.id">
42              <path value="Practitioner.id" />
43              <min value="1" />
44          </element>
45          <element id="Practitioner.meta">
46              <path value="Practitioner.meta" />
47              <min value="1" />
48          </element>
49          <element id="Practitioner.meta.versionId">
```

```
 50                    <path value="Practitioner.meta.versionId" />
 51                    <max value="0" />
 52                </element>
 53                <element id="Practitioner.meta.lastUpdated">
 54                    <path value="Practitioner.meta.lastUpdated" />
 55                    <max value="0" />
 56                </element>
 57                <element id="Practitioner.meta.source">
 58                    <path value="Practitioner.meta.source" />
 59                    <max value="0" />
 60                </element>
 61                <element id="Practitioner.meta.profile">
 62                    <path value="Practitioner.meta.profile" />
 63                    <min value="1" />
 64                    <max value="1" />
 65                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
         KBV_PR_MIO_Vaccination_Practitioner_Addendum|1.00.000" />
 66                </element>
 67                <element id="Practitioner.meta.security">
 68                    <path value="Practitioner.meta.security" />
 69                    <max value="0" />
 70                </element>
 71                <element id="Practitioner.meta.tag">
 72                    <path value="Practitioner.meta.tag" />
 73                    <max value="0" />
 74                </element>
 75                <element id="Practitioner.implicitRules">
 76                    <path value="Practitioner.implicitRules" />
 77                    <max value="0" />
 78                </element>
 79                <element id="Practitioner.language">
 80                    <path value="Practitioner.language" />
 81                    <max value="0" />
 82                </element>
 83                <element id="Practitioner.contained">
 84                    <path value="Practitioner.contained" />
 85                    <max value="0" />
 86                </element>
 87                <element id="Practitioner.extension:ergaenzende_Angaben">
 88                    <path value="Practitioner.extension" />
 89                    <sliceName value="ergaenzende_Angaben" />
 90                    <type>
 91                        <code value="Extension" />
 92                        <profile value="https://fhir.kbv.de/StructureDefinition/
         KBV_EX_MIO_Vaccination_Additional_Comment|1.00.000" />
 93                    </type>
 94                    <mustSupport value="true" />
 95                    <mapping>
 96                        <identity value="MIO-Impfpass" />
 97                        <map value="Verantwortliche Person.Ergänzende Angaben zur
         Person" />
 98                    </mapping>
 99                </element>
100                <element id="Practitioner.identifier">
101                    <path value="Practitioner.identifier" />
102                    <slicing>
103                        <discriminator>
104                            <type value="value" />
105                            <path value="type.coding.code" />
106                        </discriminator>
```

```xml
107                    <rules value="closed" />
108                </slicing>
109                <max value="1" />
110                <mustSupport value="true" />
111            </element>
112            <element id="Practitioner.identifier:ANR">
113                <path value="Practitioner.identifier" />
114                <sliceName value="ANR" />
115                <max value="1" />
116            </element>
117            <element id="Practitioner.identifier:ANR.period">
118                <path value="Practitioner.identifier.period" />
119                <max value="0" />
120            </element>
121            <element id="Practitioner.identifier:ANR.assigner">
122                <path value="Practitioner.identifier.assigner" />
123                <max value="0" />
124            </element>
125            <element id="Practitioner.identifier:EFN">
126                <path value="Practitioner.identifier" />
127                <sliceName value="EFN" />
128            </element>
129            <element id="Practitioner.identifier:EFN.period">
130                <path value="Practitioner.identifier.period" />
131                <max value="0" />
132            </element>
133            <element id="Practitioner.identifier:EFN.assigner">
134                <path value="Practitioner.identifier.assigner" />
135                <max value="0" />
136            </element>
137            <element id="Practitioner.identifier:id">
138                <path value="Practitioner.identifier" />
139                <sliceName value="id" />
140                <short value="Identifikator" />
141                <definition value="Nicht näher spezifizierter Identifikator
     einer nicht ärztlichen, behandelnden Person." />
142                <max value="1" />
143                <mustSupport value="true" />
144                <mapping>
145                    <identity value="MIO-Impfpass" />
146                    <map value="Verantwortliche Person.identifier" />
147                </mapping>
148                <mapping>
149                    <identity value="MIO-Impfpass" />
150                    <map value="Eintragende Person.identifier" />
151                </mapping>
152            </element>
153            <element id="Practitioner.identifier:id.use">
154                <path value="Practitioner.identifier.use" />
155                <max value="0" />
156            </element>
157            <element id="Practitioner.identifier:id.type">
158                <path value="Practitioner.identifier.type" />
159                <min value="1" />
160            </element>
161            <element id="Practitioner.identifier:id.type.coding">
162                <path value="Practitioner.identifier.type.coding" />
163                <min value="1" />
164                <max value="1" />
165            </element>
```

```xml
166            <element id="Practitioner.identifier:id.type.coding.system">
167                <path value="Practitioner.identifier.type.coding.system" />
168                <min value="1" />
169                <fixedUri value="http://terminology.hl7.org/CodeSystem/
       v2-0203" />
170            </element>
171            <element id="Practitioner.identifier:id.type.coding.code">
172                <path value="Practitioner.identifier.type.coding.code" />
173                <min value="1" />
174                <fixedCode value="ESN" />
175            </element>
176            <element id="Practitioner.identifier:id.type.coding.userSelected">
177                <path value="Practitioner.identifier.type.coding.userSelected"
       />
178                <max value="0" />
179            </element>
180            <element id="Practitioner.identifier:id.type.text">
181                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
182                    <valueBoolean value="true" />
183                </extension>
184                <path value="Practitioner.identifier.type.text" />
185                <max value="0" />
186            </element>
187            <element id="Practitioner.identifier:id.value">
188                <path value="Practitioner.identifier.value" />
189                <min value="1" />
190            </element>
191            <element id="Practitioner.identifier:id.period">
192                <path value="Practitioner.identifier.period" />
193                <max value="0" />
194            </element>
195            <element id="Practitioner.identifier:id.assigner">
196                <path value="Practitioner.identifier.assigner" />
197                <max value="0" />
198            </element>
199            <element id="Practitioner.active">
200                <path value="Practitioner.active" />
201                <max value="0" />
202            </element>
203            <element id="Practitioner.name">
204                <path value="Practitioner.name" />
205                <slicing>
206                    <discriminator>
207                        <type value="value" />
208                        <path value="use" />
209                    </discriminator>
210                    <rules value="closed" />
211                </slicing>
212                <mustSupport value="true" />
213            </element>
214            <element id="Practitioner.name:name">
215                <path value="Practitioner.name" />
216                <sliceName value="name" />
217                <min value="1" />
218                <constraint>
219                    <key value="Nachname" />
220                    <severity value="error" />
221                    <human value="Der Nachname darf nicht absolut leer sein" />
```

```
222          <expression value="family.extension('http://hl7.org/fhir/
        StructureDefinition/humanname-own-name').valueString.length()>0" />
223              <source value="Practitioner" />
224          </constraint>
225          <constraint>
226              <key value="Vorname" />
227              <severity value="error" />
228              <human value="Der Vorname darf nicht absolut leer sein" />
229              <expression value="given.length()>0" />
230              <source value="Practitioner" />
231          </constraint>
232          <mustSupport value="true" />
233      </element>
234      <element id="Practitioner.name:name.text">
235          <path value="Practitioner.name.text" />
236          <definition value="Vollständiger Name mit allen Vorsatzwörtern,
        Titeln und Namenszusätzen. Der vollständige Name soll alle Namensteile in
        ihrer korrekten Reihenfolge abbilden." />
237          <mustSupport value="true" />
238          <mapping>
239              <identity value="MIO-Impfpass" />
240              <map value="Verantwortliche Person.Name.Vollständiger
        Name" />
241          </mapping>
242          <mapping>
243              <identity value="MIO-Impfpass" />
244              <map value="Eintragende Person.Name.Vollständiger Name" />
245          </mapping>
246      </element>
247      <element id="Practitioner.name:name.family">
248          <path value="Practitioner.name.family" />
249          <mustSupport value="true" />
250      </element>
251      <element id="Practitioner.name:name.family.extension:namenszusatz">
252          <path value="Practitioner.name.family.extension" />
253          <sliceName value="namenszusatz" />
254          <mustSupport value="true" />
255          <mapping>
256              <identity value="MIO-Impfpass" />
257              <map value="Eintragende Person.Name.Namenszusatz" />
258          </mapping>
259          <mapping>
260              <identity value="MIO-Impfpass" />
261              <map value="Verantwortliche Person.Name.Namenszusatz" />
262          </mapping>
263      </element>
264      <element id="Practitioner.name:name.family.extension:namenszusatz.v
        alue[x]">
265          <path value="Practitioner.name.family.extension.value[x]" />
266          <maxLength value="20" />
267      </element>
268      <element id="Practitioner.name:name.family.extension:nachname">
269          <path value="Practitioner.name.family.extension" />
270          <sliceName value="nachname" />
271          <min value="1" />
272          <mustSupport value="true" />
273          <mapping>
274              <identity value="MIO-Impfpass" />
275              <map value="Verantwortliche Person.Name.Nachname" />
276          </mapping>
```

```xml
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Eintragende Person.Name.Nachname" />
                    </mapping>
                </element>
                <element id="Practitioner.name:name.family.extension:nachname.value
[x]:valueString">
                    <path value="Practitioner.name.family.extension.value[x]" />
                    <sliceName value="valueString" />
                    <maxLength value="45" />
                </element>
                <element id="Practitioner.name:name.family.extension:vorsatzwort">
                    <path value="Practitioner.name.family.extension" />
                    <sliceName value="vorsatzwort" />
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Verantwortliche Person.Name.Vorsatzwort" />
                    </mapping>
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Eintragende Person.Name.Vorsatzwort" />
                    </mapping>
                </element>
                <element id="Practitioner.name:name.family.extension:vorsatzwort.va
lue[x]:valueString">
                    <path value="Practitioner.name.family.extension.value[x]" />
                    <sliceName value="valueString" />
                    <maxLength value="20" />
                </element>
                <element id="Practitioner.name:name.given">
                    <path value="Practitioner.name.given" />
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Verantwortliche Patient.Name.Vorname" />
                    </mapping>
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Eintragende Patient.Name.Vorname" />
                    </mapping>
                </element>
                <element id="Practitioner.name:name.prefix">
                    <path value="Practitioner.name.prefix" />
                    <max value="1" />
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Verantwortliche Patient.Name.Titel" />
                    </mapping>
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Eintragende Patient.Name.Titel" />
                    </mapping>
                </element>
                <element id="Practitioner.name:name.prefix.extension:prefix-
qualifier">
                    <path value="Practitioner.name.prefix.extension" />
                    <sliceName value="prefix-qualifier" />
                </element>
```

```xml
            <element id="Practitioner.name:name.prefix.extension:prefix-
qualifier.value[x]:valueCode">
                <path value="Practitioner.name.prefix.extension.value[x]" />
                <sliceName value="valueCode" />
                <min value="1" />
            </element>
            <element id="Practitioner.name:name.suffix">
                <path value="Practitioner.name.suffix" />
                <max value="0" />
            </element>
            <element id="Practitioner.name:name.period">
                <path value="Practitioner.name.period" />
                <max value="0" />
            </element>
            <element id="Practitioner.name:geburtsname">
                <path value="Practitioner.name" />
                <sliceName value="geburtsname" />
                <mustSupport value="true" />
            </element>
            <element id="Practitioner.name:geburtsname.family.extension:nachnam
e">
                <path value="Practitioner.name.family.extension" />
                <sliceName value="nachname" />
                <min value="1" />
            </element>
            <element id="Practitioner.name:geburtsname.family.extension:nachnam
e.value[x]:valueString">
                <path value="Practitioner.name.family.extension.value[x]" />
                <sliceName value="valueString" />
                <maxLength value="45" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Verantwortliche Person.Name.Geburtsname" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Person.Name.Geburtsname" />
                </mapping>
            </element>
            <element id="Practitioner.name:geburtsname.suffix">
                <path value="Practitioner.name.suffix" />
                <max value="0" />
            </element>
            <element id="Practitioner.name:geburtsname.period">
                <path value="Practitioner.name.period" />
                <max value="0" />
            </element>
            <element id="Practitioner.telecom">
                <path value="Practitioner.telecom" />
                <short value="Kontaktinformation" />
                <definition value="Dieses Element beschreibt die
Kontaktinformationen einer Person." />
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Verantwortliche Person.Kontakt" />
                </mapping>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Eintragende Person.Kontakt" />
```

```
390                    </mapping>
391                </element>
392                <element id="Practitioner.telecom.system">
393                    <path value="Practitioner.telecom.system" />
394                    <min value="1" />
395                </element>
396                <element id="Practitioner.telecom.value">
397                    <path value="Practitioner.telecom.value" />
398                    <min value="1" />
399                </element>
400                <element id="Practitioner.telecom.use">
401                    <path value="Practitioner.telecom.use" />
402                    <max value="0" />
403                </element>
404                <element id="Practitioner.telecom.rank">
405                    <path value="Practitioner.telecom.rank" />
406                    <max value="0" />
407                </element>
408                <element id="Practitioner.telecom.period">
409                    <path value="Practitioner.telecom.period" />
410                    <max value="0" />
411                </element>
412                <element id="Practitioner.address">
413                    <path value="Practitioner.address" />
414                    <max value="0" />
415                </element>
416                <element id="Practitioner.gender">
417                    <path value="Practitioner.gender" />
418                    <max value="0" />
419                </element>
420                <element id="Practitioner.birthDate">
421                    <path value="Practitioner.birthDate" />
422                    <max value="0" />
423                </element>
424                <element id="Practitioner.photo">
425                    <path value="Practitioner.photo" />
426                    <max value="0" />
427                </element>
428                <element id="Practitioner.qualification">
429                    <path value="Practitioner.qualification" />
430                    <slicing>
431                        <discriminator>
432                            <type value="exists" />
433                            <path value="code.text" />
434                        </discriminator>
435                        <rules value="closed" />
436                    </slicing>
437                    <short value="Funktionsbezeichnung" />
438                    <definition value="Das Element beschreibt die Funktion der
      Person (z.B.: Hebamme)." />
439                    <max value="1" />
440                    <mustSupport value="true" />
441                    <mapping>
442                        <identity value="MIO-Impfpass" />
443                        <map value="Verantwortliche Person.Funktionsbezeichnung" />
444                    </mapping>
445                    <mapping>
446                        <identity value="MIO-Impfpass" />
447                        <map value="Eintragende Person.Funktionsbezeichnung" />
448                    </mapping>
```

```
449                    </element>
450                    <element id="Practitioner.qualification:practitioner_speciality">
451                        <path value="Practitioner.qualification" />
452                        <sliceName value="practitioner_speciality" />
453                        <min value="1" />
454                        <max value="1" />
455                    </element>
456                    <element id="Practitioner.qualification:practitioner_speciality.ide
        ntifier">
457                        <path value="Practitioner.qualification.identifier" />
458                        <max value="0" />
459                    </element>
460                    <element id="Practitioner.qualification:practitioner_speciality.cod
        e">
461                        <path value="Practitioner.qualification.code" />
462                        <binding>
463                            <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-bindingName">
464                                <valueString value="Qualification" />
465                            </extension>
466                            <strength value="required" />
467                            <valueSet value="https://fhir.kbv.de/ValueSet/
        KBV_VS_MIO_Vaccination_Practitioner_Function" />
468                        </binding>
469                    </element>
470                    <element id="Practitioner.qualification:practitioner_speciality.cod
        e.text">
471                        <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
472                            <valueBoolean value="true" />
473                        </extension>
474                        <path value="Practitioner.qualification.code.text" />
475                        <max value="0" />
476                    </element>
477                    <element id="Practitioner.qualification:practitioner_speciality.per
        iod">
478                        <path value="Practitioner.qualification.period" />
479                        <max value="0" />
480                    </element>
481                    <element id="Practitioner.qualification:practitioner_speciality.iss
        uer">
482                        <path value="Practitioner.qualification.issuer" />
483                        <max value="0" />
484                    </element>
485                    <element id="Practitioner.communication">
486                        <path value="Practitioner.communication" />
487                        <max value="0" />
488                    </element>
489            </differential>
490    </StructureDefinition>
```

11. KBV_PR_MIO_VACCINATION_PRACTITIONERROLE_ADDENDUM

KBV_PR_MIO_Vaccination_Practitionerrole_Addendum

```xml
1  <StructureDefinition xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/StructureDefinition/
   KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
3      <version value="1.00.000" />
4      <name value="KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
5      <status value="active" />
6      <date value="2020-05-19" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
9      <fhirVersion value="4.0.1" />
10     <mapping>
11         <identity value="v2" />
12         <uri value="http://hl7.org/v2" />
13         <name value="HL7 v2 Mapping" />
14     </mapping>
15     <mapping>
16         <identity value="rim" />
17         <uri value="http://hl7.org/v3" />
18         <name value="RIM Mapping" />
19     </mapping>
20     <mapping>
21         <identity value="servd" />
22         <uri value="http://www.omg.org/spec/ServD/1.0/" />
23         <name value="ServD" />
24     </mapping>
25     <mapping>
26         <identity value="w5" />
27         <uri value="http://hl7.org/fhir/fivews" />
28         <name value="FiveWs Pattern Mapping" />
29     </mapping>
30     <kind value="resource" />
31     <abstract value="false" />
32     <type value="PractitionerRole" />
33     <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
   PractitionerRole" />
34     <derivation value="constraint" />
35     <differential>
36         <element id="PractitionerRole">
37             <path value="PractitionerRole" />
38             <definition value="Mit diesem Profil soll die Rolle des
   Behandelnden im Szenario Daten Nachtragen erhoben werden können, also in
   diesem Fall die Zugehörigkeit zu einer Organisation." />
39         </element>
40         <element id="PractitionerRole.id">
41             <path value="PractitionerRole.id" />
42             <min value="1" />
43         </element>
44         <element id="PractitionerRole.meta">
45             <path value="PractitionerRole.meta" />
46             <min value="1" />
47         </element>
48         <element id="PractitionerRole.meta.versionId">
49             <path value="PractitionerRole.meta.versionId" />
```

```xml
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.lastUpdated">
                    <path value="PractitionerRole.meta.lastUpdated" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.source">
                    <path value="PractitionerRole.meta.source" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.profile">
                    <path value="PractitionerRole.meta.profile" />
                    <min value="1" />
                    <max value="1" />
                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Practitionerrole_Addendum|1.00.000" />
                </element>
                <element id="PractitionerRole.meta.security">
                    <path value="PractitionerRole.meta.security" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.meta.tag">
                    <path value="PractitionerRole.meta.tag" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.implicitRules">
                    <path value="PractitionerRole.implicitRules" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.language">
                    <path value="PractitionerRole.language" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.contained">
                    <path value="PractitionerRole.contained" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.identifier">
                    <path value="PractitionerRole.identifier" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.active">
                    <path value="PractitionerRole.active" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.period">
                    <path value="PractitionerRole.period" />
                    <max value="0" />
                </element>
                <element id="PractitionerRole.practitioner">
                    <path value="PractitionerRole.practitioner" />
                    <min value="1" />
                    <type>
                        <code value="Reference" />
                        <targetProfile value="https://fhir.kbv.de/
    StructureDefinition/KBV_PR_MIO_Vaccination_Practitioner_Addendum|1.00.000"
    />
                    </type>
                    <mustSupport value="true" />
                </element>
```

```
107              <element id="PractitionerRole.practitioner.reference">
108                  <path value="PractitionerRole.practitioner.reference" />
109                  <min value="1" />
110              </element>
111              <element id="PractitionerRole.practitioner.type">
112                  <path value="PractitionerRole.practitioner.type" />
113                  <max value="0" />
114              </element>
115              <element id="PractitionerRole.practitioner.identifier">
116                  <path value="PractitionerRole.practitioner.identifier" />
117                  <max value="0" />
118              </element>
119              <element id="PractitionerRole.practitioner.display">
120                  <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
121                      <valueBoolean value="true" />
122                  </extension>
123                  <path value="PractitionerRole.practitioner.display" />
124                  <max value="0" />
125              </element>
126              <element id="PractitionerRole.organization">
127                  <path value="PractitionerRole.organization" />
128                  <min value="1" />
129                  <type>
130                      <code value="Reference" />
131                      <targetProfile value="https://fhir.kbv.de/
      StructureDefinition/KBV_PR_MIO_Vaccination_Organization|1.00.000" />
132                  </type>
133                  <mustSupport value="true" />
134              </element>
135              <element id="PractitionerRole.organization.reference">
136                  <path value="PractitionerRole.organization.reference" />
137                  <min value="1" />
138              </element>
139              <element id="PractitionerRole.organization.type">
140                  <path value="PractitionerRole.organization.type" />
141                  <max value="0" />
142              </element>
143              <element id="PractitionerRole.organization.identifier">
144                  <path value="PractitionerRole.organization.identifier" />
145                  <max value="0" />
146              </element>
147              <element id="PractitionerRole.organization.display">
148                  <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
149                      <valueBoolean value="true" />
150                  </extension>
151                  <path value="PractitionerRole.organization.display" />
152                  <max value="0" />
153              </element>
154              <element id="PractitionerRole.code">
155                  <path value="PractitionerRole.code" />
156                  <max value="0" />
157              </element>
158              <element id="PractitionerRole.specialty">
159                  <path value="PractitionerRole.specialty" />
160                  <max value="0" />
161              </element>
162              <element id="PractitionerRole.location">
163                  <path value="PractitionerRole.location" />
```

```xml
            <max value="0" />
        </element>
        <element id="PractitionerRole.healthcareService">
            <path value="PractitionerRole.healthcareService" />
            <max value="0" />
        </element>
        <element id="PractitionerRole.telecom">
            <path value="PractitionerRole.telecom" />
            <max value="0" />
        </element>
        <element id="PractitionerRole.availableTime">
            <path value="PractitionerRole.availableTime" />
            <max value="0" />
        </element>
        <element id="PractitionerRole.notAvailable">
            <path value="PractitionerRole.notAvailable" />
            <max value="0" />
        </element>
        <element id="PractitionerRole.availabilityExceptions">
            <path value="PractitionerRole.availabilityExceptions" />
            <max value="0" />
        </element>
        <element id="PractitionerRole.endpoint">
            <path value="PractitionerRole.endpoint" />
            <max value="0" />
        </element>
    </differential>
</StructureDefinition>
```

12. KBV_PR_MIO_VACCINATION_PROVENANCE

KBV_PR_MIO_Vaccination_Provenance

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Provenance" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Provenance" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="workflow" />
12          <uri value="http://hl7.org/fhir/workflow" />
13          <name value="Workflow Pattern" />
14      </mapping>
15      <mapping>
16          <identity value="rim" />
17          <uri value="http://hl7.org/v3" />
18          <name value="RIM Mapping" />
19      </mapping>
20      <mapping>
21          <identity value="w3c.prov" />
22          <uri value="http://www.w3.org/ns/prov" />
23          <name value="W3C PROV" />
24      </mapping>
25      <mapping>
26          <identity value="w5" />
27          <uri value="http://hl7.org/fhir/fivews" />
28          <name value="FiveWs Pattern Mapping" />
29      </mapping>
30      <mapping>
31          <identity value="fhirauditevent" />
32          <uri value="http://hl7.org/fhir/auditevent" />
33          <name value="FHIR AuditEvent Mapping" />
34      </mapping>
35      <kind value="resource" />
36      <abstract value="false" />
37      <type value="Provenance" />
38      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Provenance" />
39      <derivation value="constraint" />
40      <differential>
41          <element id="Provenance">
42              <path value="Provenance" />
43              <definition value="Mit diesem Profil soll die Herkunft von
    Ressourcen, die in diesem Projekt spezifiziert worden sind, beschrieben
    werden. Es kann also die Informationsquelle der Inhalte Dieser angegeben
    werden." />
44          </element>
45          <element id="Provenance.id">
46              <path value="Provenance.id" />
47              <min value="1" />
48          </element>
```

```
49          <element id="Provenance.meta">
50              <path value="Provenance.meta" />
51              <min value="1" />
52          </element>
53          <element id="Provenance.meta.versionId">
54              <path value="Provenance.meta.versionId" />
55              <max value="0" />
56          </element>
57          <element id="Provenance.meta.lastUpdated">
58              <path value="Provenance.meta.lastUpdated" />
59              <max value="0" />
60          </element>
61          <element id="Provenance.meta.source">
62              <path value="Provenance.meta.source" />
63              <max value="0" />
64          </element>
65          <element id="Provenance.meta.profile">
66              <path value="Provenance.meta.profile" />
67              <min value="1" />
68              <max value="1" />
69              <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Provenance|1.00.000" />
70          </element>
71          <element id="Provenance.meta.security">
72              <path value="Provenance.meta.security" />
73              <max value="0" />
74          </element>
75          <element id="Provenance.meta.tag">
76              <path value="Provenance.meta.tag" />
77              <max value="0" />
78          </element>
79          <element id="Provenance.implicitRules">
80              <path value="Provenance.implicitRules" />
81              <max value="0" />
82          </element>
83          <element id="Provenance.language">
84              <path value="Provenance.language" />
85              <max value="0" />
86          </element>
87          <element id="Provenance.contained">
88              <path value="Provenance.contained" />
89              <max value="0" />
90          </element>
91          <element id="Provenance.target">
92              <path value="Provenance.target" />
93              <type>
94                  <code value="Reference" />
95                  <targetProfile value="https://fhir.kbv.de/
    StructureDefinition/KBV_PR_MIO_Vaccination_Condition|1.00.000" />
96              </type>
97              <mustSupport value="true" />
98          </element>
99          <element id="Provenance.target.reference">
100             <path value="Provenance.target.reference" />
101             <min value="1" />
102         </element>
103         <element id="Provenance.target.type">
104             <path value="Provenance.target.type" />
105             <max value="0" />
106         </element>
```

```
107            <element id="Provenance.target.identifier">
108                <path value="Provenance.target.identifier" />
109                <max value="0" />
110            </element>
111            <element id="Provenance.target.display">
112                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
113                    <valueBoolean value="true" />
114                </extension>
115                <path value="Provenance.target.display" />
116                <max value="0" />
117            </element>
118            <element id="Provenance.occurred[x]">
119                <path value="Provenance.occurred[x]" />
120                <max value="0" />
121            </element>
122            <element id="Provenance.recorded">
123                <path value="Provenance.recorded" />
124                <mustSupport value="true" />
125            </element>
126            <element id="Provenance.policy">
127                <path value="Provenance.policy" />
128                <max value="0" />
129            </element>
130            <element id="Provenance.location">
131                <path value="Provenance.location" />
132                <max value="0" />
133            </element>
134            <element id="Provenance.reason">
135                <path value="Provenance.reason" />
136                <max value="0" />
137            </element>
138            <element id="Provenance.activity">
139                <path value="Provenance.activity" />
140                <max value="0" />
141            </element>
142            <element id="Provenance.agent">
143                <path value="Provenance.agent" />
144                <max value="1" />
145                <mustSupport value="true" />
146            </element>
147            <element id="Provenance.agent.type">
148                <path value="Provenance.agent.type" />
149                <max value="0" />
150            </element>
151            <element id="Provenance.agent.role">
152                <path value="Provenance.agent.role" />
153                <short value="Quelle der Information" />
154                <definition value="Quelle der Information" />
155                <min value="1" />
156                <max value="1" />
157                <mustSupport value="true" />
158                <binding>
159                    <strength value="required" />
160                    <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_Source_of_Information" />
161                </binding>
162            </element>
163            <element id="Provenance.agent.role.coding">
164                <path value="Provenance.agent.role.coding" />
```

```xml
165                    <min value="1" />
166                    <max value="1" />
167                </element>
168                <element id="Provenance.agent.role.coding.system">
169                    <path value="Provenance.agent.role.coding.system" />
170                    <min value="1" />
171                </element>
172                <element id="Provenance.agent.role.coding.code">
173                    <path value="Provenance.agent.role.coding.code" />
174                    <min value="1" />
175                </element>
176                <element id="Provenance.agent.role.coding.display">
177                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
178                        <valueBoolean value="true" />
179                    </extension>
180                    <path value="Provenance.agent.role.coding.display" />
181                    <min value="1" />
182                </element>
183                <element id="Provenance.agent.role.text">
184                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
185                        <valueBoolean value="true" />
186                    </extension>
187                    <path value="Provenance.agent.role.text" />
188                    <definition value="In diesem Attribut sollen die entsprechende
       deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
       werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
       fhir.kbv.de/ConceptMap/KBV_CM_MIO_Vaccination_Source_of_Information_German"
       />
189                    <min value="1" />
190                </element>
191                <element id="Provenance.agent.who">
192                    <path value="Provenance.agent.who" />
193                    <mustSupport value="true" />
194                </element>
195                <element id="Provenance.agent.who.extension">
196                    <path value="Provenance.agent.who.extension" />
197                    <slicing>
198                        <discriminator>
199                            <type value="value" />
200                            <path value="url" />
201                        </discriminator>
202                        <rules value="open" />
203                    </slicing>
204                </element>
205                <element id="Provenance.agent.who.extension:data-absent-reason">
206                    <path value="Provenance.agent.who.extension" />
207                    <sliceName value="data-absent-reason" />
208                    <min value="1" />
209                    <type>
210                        <code value="Extension" />
211                        <profile value="http://hl7.org/fhir/StructureDefinition/
       data-absent-reason" />
212                    </type>
213                </element>
214                <element id="Provenance.agent.who.extension:data-absent-
       reason.value[x]:valueCode">
215                    <path value="Provenance.agent.who.extension.value[x]" />
216                    <sliceName value="valueCode" />
```

```xml
                    <fixedCode value="unknown" />
                </element>
                <element id="Provenance.agent.who.reference">
                    <path value="Provenance.agent.who.reference" />
                    <max value="0" />
                </element>
                <element id="Provenance.agent.who.type">
                    <path value="Provenance.agent.who.type" />
                    <max value="0" />
                </element>
                <element id="Provenance.agent.who.identifier">
                    <path value="Provenance.agent.who.identifier" />
                    <max value="0" />
                </element>
                <element id="Provenance.agent.who.display">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Provenance.agent.who.display" />
                    <max value="0" />
                </element>
                <element id="Provenance.agent.onBehalfOf">
                    <path value="Provenance.agent.onBehalfOf" />
                    <max value="0" />
                </element>
                <element id="Provenance.entity">
                    <path value="Provenance.entity" />
                    <max value="0" />
                </element>
                <element id="Provenance.signature">
                    <path value="Provenance.signature" />
                    <max value="0" />
                </element>
        </differential>
    </StructureDefinition>
```

13. KBV_PR_MIO_VACCINATION_RECORD_ADDENDUM

KBV_PR_MIO_Vaccination_Record_Addendum

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Record_Addendum" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Record_Addendum" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <kind value="resource" />
11      <abstract value="false" />
12      <type value="Immunization" />
13      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Immunization" />
14      <derivation value="constraint" />
15      <differential>
16          <element id="Immunization">
17              <path value="Immunization" />
18              <short value="Record_Addendum" />
19              <definition value="In diesem Profil werden die grundlegenden
    Inhalte zum Impfeintrag, also einer Impfzeile definiert. Diese besteht
    unter Anderem aus dem Impfstoff, dem Impfdatum u.s.w.\n\nWeiterhin ist
    dieses Profil mit dem Szenario Daten nach- oder übertragen verknüpft und
    hat daher weniger Zwänge als das Profil
    KBV_PR_MIO_Vaccination_Record_Prime" />
20          </element>
21          <element id="Immunization.id">
22              <path value="Immunization.id" />
23              <min value="1" />
24          </element>
25          <element id="Immunization.meta">
26              <path value="Immunization.meta" />
27              <min value="1" />
28          </element>
29          <element id="Immunization.meta.versionId">
30              <path value="Immunization.meta.versionId" />
31              <max value="0" />
32          </element>
33          <element id="Immunization.meta.lastUpdated">
34              <path value="Immunization.meta.lastUpdated" />
35              <max value="0" />
36          </element>
37          <element id="Immunization.meta.source">
38              <path value="Immunization.meta.source" />
39              <max value="0" />
40          </element>
41          <element id="Immunization.meta.profile">
42              <path value="Immunization.meta.profile" />
43              <min value="1" />
44              <max value="1" />
45              <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Record_Addendum|1.00.000" />
```

```xml
46              </element>
47              <element id="Immunization.meta.security">
48                  <path value="Immunization.meta.security" />
49                  <max value="0" />
50              </element>
51              <element id="Immunization.meta.tag">
52                  <path value="Immunization.meta.tag" />
53                  <max value="0" />
54              </element>
55              <element id="Immunization.implicitRules">
56                  <path value="Immunization.implicitRules" />
57                  <max value="0" />
58              </element>
59              <element id="Immunization.language">
60                  <path value="Immunization.language" />
61                  <max value="0" />
62              </element>
63              <element id="Immunization.text">
64                  <path value="Immunization.text" />
65                  <min value="1" />
66              </element>
67              <element id="Immunization.contained">
68                  <path value="Immunization.contained" />
69                  <max value="0" />
70              </element>
71              <element id="Immunization.extension">
72                  <path value="Immunization.extension" />
73                  <slicing>
74                      <discriminator>
75                          <type value="value" />
76                          <path value="url" />
77                      </discriminator>
78                      <rules value="open" />
79                  </slicing>
80              </element>
81              <element id="Immunization.extension:typ_des_Eintrages">
82                  <path value="Immunization.extension" />
83                  <sliceName value="typ_des_Eintrages" />
84                  <max value="1" />
85                  <type>
86                      <code value="Extension" />
87                      <profile value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Entry_Type|1.00.000" />
88                  </type>
89                  <mustSupport value="true" />
90                  <mapping>
91                      <identity value="MIO-Impfpass" />
92                      <map value="Impfung.Typ des Impfeintrages" />
93                  </mapping>
94              </element>
95              <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu
    eCodeableConcept">
96                  <path value="Immunization.extension.value[x]" />
97                  <sliceName value="valueCodeableConcept" />
98              </element>
99              <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu
    eCodeableConcept.coding.display">
100                 <extension url="http://hl7.org/fhir/StructureDefinition/
    elementdefinition-translatable">
101                     <valueBoolean value="true" />
```

```xml
                </extension>
                <path value="Immunization.extension.value[x].coding.display" />
            </element>
            <element id="Immunization.extension:typ_des_Eintrages.value[x]:valueCodeableConcept.text">
                <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Immunization.extension.value[x].text" />
            </element>
            <element id="Immunization.extension:verantwortliche_Person">
                <path value="Immunization.extension" />
                <sliceName value="verantwortliche_Person" />
                <max value="1" />
                <type>
                    <code value="Extension" />
                    <profile value="https://fhir.kbv.de/StructureDefinition/KBV_EX_MIO_Vaccination_Attester|1.00.000" />
                </type>
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfung.Verantwortliche Person" />
                </mapping>
            </element>
            <element id="Immunization.extension:verantwortliche_Person.extension:mode">
                <path value="Immunization.extension.extension" />
                <sliceName value="mode" />
            </element>
            <element id="Immunization.extension:verantwortliche_Person.extension:mode.value[x]:valueCodeableConcept">
                <path value="Immunization.extension.extension.value[x]" />
                <sliceName value="valueCodeableConcept" />
            </element>
            <element id="Immunization.extension:verantwortliche_Person.extension:mode.value[x]:valueCodeableConcept.text">
                <extension url="http://hl7.org/fhir/StructureDefinition/elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Immunization.extension.extension.value[x].text" />
            </element>
            <element id="Immunization.extension:verantwortliche_Person.extension:party">
                <path value="Immunization.extension.extension" />
                <sliceName value="party" />
            </element>
            <element id="Immunization.extension:verantwortliche_Person.extension:party.value[x]:valueReference">
                <path value="Immunization.extension.extension.value[x]" />
                <sliceName value="valueReference" />
                <type>
                    <code value="Reference" />
                    <targetProfile value="https://fhir.kbv.de/StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum|1.00.000" />
                </type>
            </element>
```

```xml
                <element id="Immunization.extension:verantwortliche_Person.extensio
n:party.value[x]:valueReference.display">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.extension.extension.value[x].display"
 />
                </element>
            <element id="Immunization.extension:eintragende_Person">
                <path value="Immunization.extension" />
                <sliceName value="eintragende_Person" />
                <min value="1" />
                <max value="1" />
                <type>
                    <code value="Extension" />
                    <profile value="https://fhir.kbv.de/StructureDefinition/
KBV_EX_MIO_Vaccination_Enterer|1.00.000" />
                </type>
                <mustSupport value="true" />
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfung.Eintragende Person" />
                </mapping>
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:mo
de">
                <path value="Immunization.extension.extension" />
                <sliceName value="mode" />
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:mo
de.value[x]:valueCodeableConcept">
                <path value="Immunization.extension.extension.value[x]" />
                <sliceName value="valueCodeableConcept" />
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:mo
de.value[x]:valueCodeableConcept.text">
                <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Immunization.extension.extension.value[x].text" />
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:pa
rty">
                <path value="Immunization.extension.extension" />
                <sliceName value="party" />
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:pa
rty.value[x]:valueReference">
                <path value="Immunization.extension.extension.value[x]" />
                <sliceName value="valueReference" />
                <type>
                    <code value="Reference" />
                    <targetProfile value="https://fhir.kbv.de/
StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
                </type>
            </element>
            <element id="Immunization.extension:eintragende_Person.extension:pa
rty.value[x]:valueReference.display">
```

```xml
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.extension.extension.value[x].display"
/>
            </element>
            <element id="Immunization.identifier">
                    <path value="Immunization.identifier" />
                    <max value="0" />
            </element>
            <element id="Immunization.status">
                    <path value="Immunization.status" />
                    <fixedCode value="completed" />
            </element>
            <element id="Immunization.statusReason">
                    <path value="Immunization.statusReason" />
                    <max value="0" />
            </element>
            <element id="Immunization.vaccineCode">
                    <path value="Immunization.vaccineCode" />
                    <short value="Impfstoff" />
                    <definition value="Dieses Element beschreibt den verabreichten
Impfstoff." />
                    <mustSupport value="true" />
            </element>
            <element id="Immunization.vaccineCode.extension">
                    <path value="Immunization.vaccineCode.extension" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="url" />
                        </discriminator>
                        <rules value="open" />
                    </slicing>
            </element>
            <element id="Immunization.vaccineCode.extension:data-absent-
reason">
                    <path value="Immunization.vaccineCode.extension" />
                    <sliceName value="data-absent-reason" />
                    <type>
                        <code value="Extension" />
                        <profile value="http://hl7.org/fhir/StructureDefinition/
data-absent-reason" />
                    </type>
            </element>
            <element id="Immunization.vaccineCode.extension:data-absent-
reason.value[x]:valueCode">
                    <path value="Immunization.vaccineCode.extension.value[x]" />
                    <sliceName value="valueCode" />
                    <fixedCode value="unknown" />
            </element>
            <element id="Immunization.vaccineCode.coding">
                    <path value="Immunization.vaccineCode.coding" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="system" />
                        </discriminator>
                        <rules value="closed" />
```

```xml
                </slicing>
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT">
                <path value="Immunization.vaccineCode.coding" />
                <sliceName value="snomed_CT" />
                <short value="Snomed CT" />
                <definition value="Dieses Element beschreibt den Impfstoff als
SNOMED CT® Product Code." />
                <max value="1" />
                <mustSupport value="true" />
                <binding>
                    <strength value="required" />
                    <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Vaccine_List" />
                </binding>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfung.Impfstoff.Snomed Ct Code" />
                </mapping>
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT.system">
                <path value="Immunization.vaccineCode.coding.system" />
                <min value="1" />
                <fixedUri value="http://snomed.info/sct" />
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT.version">
                <path value="Immunization.vaccineCode.coding.version" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT.code">
                <path value="Immunization.vaccineCode.coding.code" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT.display">
                <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Immunization.vaccineCode.coding.display" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:snomed_CT.userSelected
">
                <path value="Immunization.vaccineCode.coding.userSelected" />
                <max value="0" />
            </element>
            <element id="Immunization.vaccineCode.coding:atc">
                <path value="Immunization.vaccineCode.coding" />
                <sliceName value="atc" />
                <short value="ATC" />
                <definition value="Bezeichnung des Impfstoffs oder des
Kombinationsimpfstoffes als Anatomisch-Therapeutisch-Chemische
Klassifikation samt ATC-Code des Impfstoffs oder Kombinationsimpfstoffes.
Grundlage ist die amtliche Fassung des ATC-Index für Deutschland (DIMDI).
Es sind alle ATC-Codes aus der amtlichen Fassung des ATC-Index gelistet,
unabhängig von deren Marktverfügbarkeit." />
                <max value="1" />
                <mustSupport value="true" />
                <binding>
                    <strength value="required" />
```

```xml
                    <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Vaccine_List_ATC" />
                </binding>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfung.Impfstoff.ATC" />
                </mapping>
            </element>
            <element id="Immunization.vaccineCode.coding:atc.system">
                <path value="Immunization.vaccineCode.coding.system" />
                <min value="1" />
                <fixedUri value="http://fhir.de/CodeSystem/dimdi/atc" />
            </element>
            <element id="Immunization.vaccineCode.coding:atc.version">
                <path value="Immunization.vaccineCode.coding.version" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:atc.code">
                <path value="Immunization.vaccineCode.coding.code" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:atc.display">
                <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Immunization.vaccineCode.coding.display" />
                <min value="1" />
            </element>
            <element id="Immunization.vaccineCode.coding:atc.userSelected">
                <path value="Immunization.vaccineCode.coding.userSelected" />
                <max value="0" />
            </element>
            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
n">
                <path value="Immunization.vaccineCode.coding" />
                <sliceName value="pharmazentralnummer_pzn" />
                <definition value="8-stellige Pharmazentralnummer (PZN) des
Fertigarzneimittels (Impfstoffs). Die PZN definiert ein Fertigarzneimittel
eindeutig." />
                <max value="1" />
                <mustSupport value="true" />
                <binding>
                    <strength value="required" />
                    <valueSet value="http://fhir.de/ValueSet/ifa/pzn" />
                </binding>
                <mapping>
                    <identity value="MIO-Impfpass" />
                    <map value="Impfung.Impfstoff.Pharmazentralnummer" />
                </mapping>
            </element>
            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
n.system">
                <path value="Immunization.vaccineCode.coding.system" />
                <min value="1" />
                <fixedUri value="http://fhir.de/CodeSystem/ifa/pzn" />
            </element>
            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
n.code">
                <path value="Immunization.vaccineCode.coding.code" />
```

```
357                    <min value="1" />
358                </element>
359                <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.display">
360                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
361                        <valueBoolean value="true" />
362                    </extension>
363                    <path value="Immunization.vaccineCode.coding.display" />
364                    <min value="1" />
365                </element>
366                <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.userSelected">
367                    <path value="Immunization.vaccineCode.coding.userSelected" />
368                    <max value="0" />
369                </element>
370                <element id="Immunization.vaccineCode.text">
371                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
372                        <valueBoolean value="true" />
373                    </extension>
374                    <path value="Immunization.vaccineCode.text" />
375                    <short value="Handelsname" />
376                    <definition value="Bezeichnung des Handelsnamens des
       verabreichten Impfstoffs." />
377                    <mustSupport value="true" />
378                    <mapping>
379                        <identity value="MIO-Impfpass" />
380                        <map value="Impfung.Impfstoff.Handelsname" />
381                    </mapping>
382                </element>
383                <element id="Immunization.patient">
384                    <path value="Immunization.patient" />
385                    <type>
386                        <code value="Reference" />
387                        <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
388                    </type>
389                    <mustSupport value="true" />
390                </element>
391                <element id="Immunization.patient.reference">
392                    <path value="Immunization.patient.reference" />
393                    <min value="1" />
394                </element>
395                <element id="Immunization.patient.type">
396                    <path value="Immunization.patient.type" />
397                    <max value="0" />
398                </element>
399                <element id="Immunization.patient.identifier">
400                    <path value="Immunization.patient.identifier" />
401                    <max value="0" />
402                </element>
403                <element id="Immunization.patient.display">
404                    <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
405                        <valueBoolean value="true" />
406                    </extension>
407                    <path value="Immunization.patient.display" />
408                    <max value="0" />
409                </element>
```

```xml
410             <element id="Immunization.encounter">
411                 <path value="Immunization.encounter" />
412                 <max value="0" />
413             </element>
414             <element id="Immunization.occurrence[x]">
415                 <path value="Immunization.occurrence[x]" />
416                 <slicing>
417                     <discriminator>
418                         <type value="type" />
419                         <path value="$this" />
420                     </discriminator>
421                     <rules value="closed" />
422                 </slicing>
423                 <mustSupport value="true" />
424                 <mapping>
425                     <identity value="MIO-Impfpass" />
426                     <map value="Impfung.Impfdatum" />
427                 </mapping>
428             </element>
429             <element id="Immunization.occurrence[x]:occurrenceDateTime">
430                 <path value="Immunization.occurrence[x]" />
431                 <sliceName value="occurrenceDateTime" />
432                 <definition value="Im Anwendungsszenario "Daten nach- oder
        übertragen" entspricht es dem Datum oder einer gröberen Angabe der Zeit
        bzw. des Zeitraums einer zurückliegenden Impfung, die im Impfpass
        nachgetragen wird. Wird eine abgeschlossene Grundimmunisierung übertragen,
        so sollte das Datum der Gabe der letzten Dosis dokumentiert werden." />
433                 <min value="1" />
434                 <type>
435                     <code value="dateTime" />
436                 </type>
437                 <mustSupport value="true" />
438                 <mapping>
439                     <identity value="MIO-Impfpass" />
440                     <map value="Impfung.Impfdatum" />
441                 </mapping>
442             </element>
443             <element id="Immunization.recorded">
444                 <path value="Immunization.recorded" />
445                 <max value="0" />
446             </element>
447             <element id="Immunization.primarySource">
448                 <path value="Immunization.primarySource" />
449                 <min value="1" />
450                 <fixedBoolean value="false" />
451                 <mustSupport value="true" />
452             </element>
453             <element id="Immunization.reportOrigin">
454                 <path value="Immunization.reportOrigin" />
455                 <min value="1" />
456                 <mustSupport value="true" />
457                 <binding>
458                     <strength value="required" />
459                     <valueSet value="https://fhir.kbv.de/ValueSet/
        KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
460                 </binding>
461             </element>
462             <element id="Immunization.reportOrigin.coding">
463                 <path value="Immunization.reportOrigin.coding" />
464                 <min value="1" />
```

```
465                    <max value="1" />
466                </element>
467            <element id="Immunization.reportOrigin.coding.system">
468                <path value="Immunization.reportOrigin.coding.system" />
469                <min value="1" />
470            </element>
471            <element id="Immunization.reportOrigin.coding.code">
472                <path value="Immunization.reportOrigin.coding.code" />
473                <min value="1" />
474            </element>
475            <element id="Immunization.reportOrigin.coding.userSelected">
476                <path value="Immunization.reportOrigin.coding.userSelected" />
477                <max value="0" />
478            </element>
479            <element id="Immunization.reportOrigin.text">
480                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
481                    <valueBoolean value="true" />
482                </extension>
483                <path value="Immunization.reportOrigin.text" />
484                <definition value="In diesem Attribut sollen die entsprechende
        deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
        werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
        fhir.kbv.de/ConceptMap/
        KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German" />
485                <min value="1" />
486            </element>
487            <element id="Immunization.location">
488                <path value="Immunization.location" />
489                <max value="0" />
490            </element>
491            <element id="Immunization.manufacturer">
492                <path value="Immunization.manufacturer" />
493                <short value="Hersteller" />
494                <definition value="Name des herstellenden bzw. des anbietenden
        Unternehmens. Dies bietet eine Zusatzinformation zum Fertigarzneimittel." /
        >
495                <mustSupport value="true" />
496                <mapping>
497                    <identity value="MIO-Impfpass" />
498                    <map value="Impfung.Impfstoff.Hersteller" />
499                </mapping>
500            </element>
501            <element id="Immunization.manufacturer.reference">
502                <path value="Immunization.manufacturer.reference" />
503                <max value="0" />
504            </element>
505            <element id="Immunization.manufacturer.type">
506                <path value="Immunization.manufacturer.type" />
507                <max value="0" />
508            </element>
509            <element id="Immunization.manufacturer.identifier">
510                <path value="Immunization.manufacturer.identifier" />
511                <max value="0" />
512            </element>
513            <element id="Immunization.manufacturer.display">
514                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
515                    <valueBoolean value="true" />
516                </extension>
```

```
517             <path value="Immunization.manufacturer.display" />
518             <min value="1" />
519             <mustSupport value="true" />
520         </element>
521         <element id="Immunization.lotNumber">
522             <path value="Immunization.lotNumber" />
523             <short value="Chargenbezeichnung" />
524             <definition value="Chargenbezeichnung des verabreichten
        Impfstoffs." />
525             <mustSupport value="true" />
526             <mapping>
527                 <identity value="MIO-Impfpass" />
528                 <map value="Impfung.Impfstoff.Chargennummer" />
529             </mapping>
530         </element>
531         <element id="Immunization.expirationDate">
532             <path value="Immunization.expirationDate" />
533             <max value="0" />
534         </element>
535         <element id="Immunization.site">
536             <path value="Immunization.site" />
537             <max value="0" />
538         </element>
539         <element id="Immunization.route">
540             <path value="Immunization.route" />
541             <max value="0" />
542         </element>
543         <element id="Immunization.doseQuantity">
544             <path value="Immunization.doseQuantity" />
545             <max value="0" />
546         </element>
547         <element id="Immunization.performer">
548             <path value="Immunization.performer" />
549             <max value="0" />
550         </element>
551         <element id="Immunization.note">
552             <path value="Immunization.note" />
553             <short value="Anmerkungen zur durchgeführten Impfung" />
554             <definition value="Anmerkungen zur durchgeführten Impfung" />
555             <max value="1" />
556             <mustSupport value="true" />
557             <mapping>
558                 <identity value="MIO-Impfpass" />
559                 <map value="Impfung.Anmerkungen zur durchgeführten
        Impfung" />
560             </mapping>
561         </element>
562         <element id="Immunization.note.author[x]">
563             <path value="Immunization.note.author[x]" />
564             <max value="0" />
565         </element>
566         <element id="Immunization.note.time">
567             <path value="Immunization.note.time" />
568             <max value="0" />
569         </element>
570         <element id="Immunization.reasonCode">
571             <path value="Immunization.reasonCode" />
572             <max value="0" />
573         </element>
574         <element id="Immunization.reasonReference">
```

```
575              <path value="Immunization.reasonReference" />
576              <max value="0" />
577          </element>
578          <element id="Immunization.isSubpotent">
579              <path value="Immunization.isSubpotent" />
580              <max value="0" />
581          </element>
582          <element id="Immunization.subpotentReason">
583              <path value="Immunization.subpotentReason" />
584              <max value="0" />
585          </element>
586          <element id="Immunization.education">
587              <path value="Immunization.education" />
588              <max value="0" />
589          </element>
590          <element id="Immunization.programEligibility">
591              <path value="Immunization.programEligibility" />
592              <max value="0" />
593          </element>
594          <element id="Immunization.fundingSource">
595              <path value="Immunization.fundingSource" />
596              <max value="0" />
597          </element>
598          <element id="Immunization.reaction">
599              <path value="Immunization.reaction" />
600              <max value="0" />
601          </element>
602          <element id="Immunization.protocolApplied">
603              <path value="Immunization.protocolApplied" />
604              <min value="1" />
605              <max value="1" />
606              <mustSupport value="true" />
607          </element>
608          <element id="Immunization.protocolApplied.extension">
609              <path value="Immunization.protocolApplied.extension" />
610              <slicing>
611                  <discriminator>
612                      <type value="value" />
613                      <path value="url" />
614                  </discriminator>
615                  <rules value="open" />
616              </slicing>
617          </element>
618          <element id="Immunization.protocolApplied.extension:datum_der_Folge
     impfung">
619              <path value="Immunization.protocolApplied.extension" />
620              <sliceName value="datum_der_Folgeimpfung" />
621              <max value="1" />
622              <type>
623                  <code value="Extension" />
624                  <profile value="https://fhir.kbv.de/StructureDefinition/
     KBV_EX_MIO_Vaccination_Follow_Up|1.00.000" />
625              </type>
626              <mustSupport value="true" />
627              <mapping>
628                  <identity value="MIO-Impfpass" />
629                  <map value="Impfung.Datum der Folgeimpfung" />
630              </mapping>
631          </element>
```

```
632    <element id="Immunization.protocolApplied.extension:grundimmunisier
       ung_Abgeschlossen">
633        <path value="Immunization.protocolApplied.extension" />
634        <sliceName value="grundimmunisierung_Abgeschlossen" />
635        <max value="1" />
636        <type>
637            <code value="Extension" />
638            <profile value="https://fhir.kbv.de/StructureDefinition/
       KBV_EX_MIO_Vaccination_Basic_Immunization|1.00.000" />
639        </type>
640        <mustSupport value="true" />
641    </element>
642    <element id="Immunization.protocolApplied.series">
643        <path value="Immunization.protocolApplied.series" />
644        <max value="0" />
645    </element>
646    <element id="Immunization.protocolApplied.authority">
647        <path value="Immunization.protocolApplied.authority" />
648        <max value="0" />
649    </element>
650    <element id="Immunization.protocolApplied.targetDisease">
651        <path value="Immunization.protocolApplied.targetDisease" />
652        <short value="Erkrankung gegen die geimpft wird" />
653        <definition value="Dieses Element beschreibt den Namen der
       Krankheit, gegen die geimpft wird. Es handelt sich um ein mehrfach
       auswählbares Element, da ein Impfstoff mehrere einzelne Wirkstoffe
       enthalten kann und somit mehrere Erkrankungen, gegen die geimpft wird,
       adressiert werden können." />
654        <min value="1" />
655        <mustSupport value="true" />
656        <binding>
657            <strength value="required" />
658            <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_TargetDisease" />
659        </binding>
660        <mapping>
661            <identity value="MIO-Impfpass" />
662            <map value="Impfung.Erkrankung gegen die geimpft wird" />
663        </mapping>
664    </element>
665    <element id="Immunization.protocolApplied.targetDisease.coding">
666        <path value="Immunization.protocolApplied.targetDisease.coding"
       />
667        <min value="1" />
668        <max value="1" />
669        <mustSupport value="true" />
670    </element>
671    <element id="Immunization.protocolApplied.targetDisease.coding.syst
       em">
672        <path value="Immunization.protocolApplied.targetDisease.coding.
       system" />
673        <min value="1" />
674    </element>
675    <element id="Immunization.protocolApplied.targetDisease.coding.vers
       ion">
676        <path value="Immunization.protocolApplied.targetDisease.coding.
       version" />
677        <min value="1" />
678    </element>
```

```
679          <element id="Immunization.protocolApplied.targetDisease.coding.code
        ">
680              <path value="Immunization.protocolApplied.targetDisease.coding.
        code" />
681              <min value="1" />
682          </element>
683          <element id="Immunization.protocolApplied.targetDisease.coding.disp
        lay">
684              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
685                  <valueBoolean value="true" />
686              </extension>
687              <path value="Immunization.protocolApplied.targetDisease.coding.
        display" />
688              <min value="1" />
689          </element>
690          <element id="Immunization.protocolApplied.targetDisease.text">
691              <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
692                  <valueBoolean value="true" />
693              </extension>
694              <path value="Immunization.protocolApplied.targetDisease.text" /
        >
695              <definition value="In diesem Attribut sollen die entsprechende
        deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
        werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
        fhir.kbv.de/ConceptMap/KBV_CM_MIO_Vaccination_Vaccine_Targetdisease" />
696              <min value="1" />
697          </element>
698          <element id="Immunization.protocolApplied.doseNumber[x]">
699              <path value="Immunization.protocolApplied.doseNumber[x]" />
700              <slicing>
701                  <discriminator>
702                      <type value="type" />
703                      <path value="$this" />
704                  </discriminator>
705                  <rules value="open" />
706              </slicing>
707          </element>
708          <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
        tring">
709              <path value="Immunization.protocolApplied.doseNumber[x]" />
710              <sliceName value="doseNumberString" />
711              <min value="1" />
712              <type>
713                  <code value="string" />
714              </type>
715          </element>
716          <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
        tring.extension">
717              <path value="Immunization.protocolApplied.doseNumber[x].extensi
        on" />
718              <slicing>
719                  <discriminator>
720                      <type value="value" />
721                      <path value="url" />
722                  </discriminator>
723                  <rules value="open" />
724              </slicing>
725          </element>
```

```xml
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberString.extension:data-absent-reason">
                <path value="Immunization.protocolApplied.doseNumber[x].extension" />
                <sliceName value="data-absent-reason" />
                <min value="1" />
                <type>
                    <code value="Extension" />
                    <profile value="http://hl7.org/fhir/StructureDefinition/data-absent-reason" />
                </type>
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberString.extension:data-absent-reason.value[x]">
                <path value="Immunization.protocolApplied.doseNumber[x].extension.value[x]" />
                <slicing>
                    <discriminator>
                        <type value="type" />
                        <path value="$this" />
                    </discriminator>
                    <rules value="open" />
                </slicing>
                <min value="1" />
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberString.extension:data-absent-reason.value[x]:valueCode">
                <path value="Immunization.protocolApplied.doseNumber[x].extension.value[x]" />
                <sliceName value="valueCode" />
                <min value="1" />
                <fixedCode value="unknown" />
            </element>
            <element id="Immunization.protocolApplied.seriesDoses[x]">
                <path value="Immunization.protocolApplied.seriesDoses[x]" />
                <max value="0" />
            </element>
        </differential>
</StructureDefinition>
```

14. KBV_PR_MIO_VACCINATION_RECORD_PRIME

KBV_PR_MIO_Vaccination_Record_Prime

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Record_Prime" />
3       <version value="1.00.000" />
4       <name value="KBV_PR_MIO_Vaccination_Record_Prime" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <kind value="resource" />
11      <abstract value="false" />
12      <type value="Immunization" />
13      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Immunization" />
14      <derivation value="constraint" />
15      <differential>
16          <element id="Immunization">
17              <path value="Immunization" />
18              <short value="Record_Prime" />
19              <definition value="In diesem Profil werden die grundlegenden
    Inhalte zum Impfeintrag, also einer Impfzeile definiert. Diese besteht
    unter Anderem aus dem Impfstoff, dem Impfdatum u.s.w.\n\nWeiterhin ist
    dieses Profil mit dem Szenario Daten eintragen verknüpft und hat daher mehr
    Zwänge als das Profil KBV_PR_MIO_Vaccination_Record_Addendum." />
20              <constraint>
21                  <key value="Occurrence" />
22                  <severity value="error" />
23                  <human value="Das Impfdatum muss mindestens 10 Stellen
    haben." />
24                  <expression
     value="occurrenceDateTime.toString().length()>=10" />
25                  <source value="Immunization" />
26              </constraint>
27              <constraint>
28                  <key value="atc1" />
29                  <severity value="error" />
30                  <human value="Nur bei Angabe des Snomed Codes 787859002
    Impfstoffe (unspezifiziert) muss kein ATC-Code angeben werden." />
31                  <expression value="vaccineCode.coding.where(system='http://
    snomed.info/sct' and code!='787859002').exists() implies
    vaccineCode.coding.where(system='http://fhir.de/CodeSystem/dimdi/
    atc').exists()" />
32                  <source value="https://fhir.kbv.de/StructureDefinition/
    KBV_PR_MIO_Vaccination_Record_Prime" />
33              </constraint>
34          </element>
35          <element id="Immunization.id">
36              <path value="Immunization.id" />
37              <min value="1" />
38          </element>
39          <element id="Immunization.meta">
40              <path value="Immunization.meta" />
```

```
41                    <min value="1" />
42                </element>
43                <element id="Immunization.meta.versionId">
44                    <path value="Immunization.meta.versionId" />
45                    <max value="0" />
46                </element>
47                <element id="Immunization.meta.lastUpdated">
48                    <path value="Immunization.meta.lastUpdated" />
49                    <max value="0" />
50                </element>
51                <element id="Immunization.meta.source">
52                    <path value="Immunization.meta.source" />
53                    <max value="0" />
54                </element>
55                <element id="Immunization.meta.profile">
56                    <path value="Immunization.meta.profile" />
57                    <min value="1" />
58                    <max value="1" />
59                    <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
      KBV_PR_MIO_Vaccination_Record_Prime|1.00.000" />
60                </element>
61                <element id="Immunization.meta.security">
62                    <path value="Immunization.meta.security" />
63                    <max value="0" />
64                </element>
65                <element id="Immunization.meta.tag">
66                    <path value="Immunization.meta.tag" />
67                    <max value="0" />
68                </element>
69                <element id="Immunization.implicitRules">
70                    <path value="Immunization.implicitRules" />
71                    <max value="0" />
72                </element>
73                <element id="Immunization.language">
74                    <path value="Immunization.language" />
75                    <max value="0" />
76                </element>
77                <element id="Immunization.text">
78                    <path value="Immunization.text" />
79                    <min value="1" />
80                </element>
81                <element id="Immunization.text.status">
82                    <path value="Immunization.text.status" />
83                    <fixedCode value="extensions" />
84                </element>
85                <element id="Immunization.contained">
86                    <path value="Immunization.contained" />
87                    <max value="0" />
88                </element>
89                <element id="Immunization.extension">
90                    <path value="Immunization.extension" />
91                    <slicing>
92                        <discriminator>
93                            <type value="value" />
94                            <path value="url" />
95                        </discriminator>
96                        <rules value="open" />
97                    </slicing>
98                </element>
99                <element id="Immunization.extension:typ_des_Eintrages">
```

```xml
                    <path value="Immunization.extension" />
                    <sliceName value="typ_des_Eintrages" />
                    <min value="1" />
                    <max value="1" />
                    <type>
                        <code value="Extension" />
                        <profile value="https://fhir.kbv.de/StructureDefinition/
KBV_EX_MIO_Vaccination_Entry_Type|1.00.000" />
                    </type>
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Impfung.Typ des Impfeintrages" />
                    </mapping>
                </element>
                <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu
eCodeableConcept">
                    <path value="Immunization.extension.value[x]" />
                    <sliceName value="valueCodeableConcept" />
                </element>
                <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu
eCodeableConcept.coding.display">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.extension.value[x].coding.display" />
                </element>
                <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu
eCodeableConcept.text">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.extension.value[x].text" />
                </element>
                <element id="Immunization.extension:verantwortliche_Person">
                    <path value="Immunization.extension" />
                    <sliceName value="verantwortliche_Person" />
                    <short value="Verantwortliche Person" />
                    <min value="1" />
                    <max value="1" />
                    <type>
                        <code value="Extension" />
                        <profile value="https://fhir.kbv.de/StructureDefinition/
KBV_EX_MIO_Vaccination_Attester|1.00.000" />
                    </type>
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Impfung.Verantwortliche Person" />
                    </mapping>
                </element>
                <element id="Immunization.extension:verantwortliche_Person.extensio
n:mode">
                    <path value="Immunization.extension.extension" />
                    <sliceName value="mode" />
                </element>
                <element id="Immunization.extension:verantwortliche_Person.extensio
n:mode.value[x]:valueCodeableConcept">
```

```
151          <path value="Immunization.extension.extension.value[x]" />
152          <sliceName value="valueCodeableConcept" />
153        </element>
154        <element id="Immunization.extension:verantwortliche_Person.extensio
     n:mode.value[x]:valueCodeableConcept.text">
155          <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
156            <valueBoolean value="true" />
157          </extension>
158          <path value="Immunization.extension.extension.value[x].text" />
159        </element>
160        <element id="Immunization.extension:verantwortliche_Person.extensio
     n:party">
161          <path value="Immunization.extension.extension" />
162          <sliceName value="party" />
163        </element>
164        <element id="Immunization.extension:verantwortliche_Person.extensio
     n:party.value[x]:valueReference">
165          <path value="Immunization.extension.extension.value[x]" />
166          <sliceName value="valueReference" />
167          <type>
168            <code value="Reference" />
169            <targetProfile value="https://fhir.kbv.de/
     StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
170          </type>
171        </element>
172        <element id="Immunization.extension:verantwortliche_Person.extensio
     n:party.value[x]:valueReference.display">
173          <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
174            <valueBoolean value="true" />
175          </extension>
176          <path value="Immunization.extension.extension.value[x].display"
     />
177        </element>
178        <element id="Immunization.extension:eintragende_Person">
179          <path value="Immunization.extension" />
180          <sliceName value="eintragende_Person" />
181          <max value="1" />
182          <type>
183            <code value="Extension" />
184            <profile value="https://fhir.kbv.de/StructureDefinition/
     KBV_EX_MIO_Vaccination_Enterer|1.00.000" />
185          </type>
186          <mustSupport value="true" />
187          <mapping>
188            <identity value="MIO-Impfpass" />
189            <map value="Impfung.Eintragende Person" />
190          </mapping>
191        </element>
192        <element id="Immunization.extension:eintragende_Person.extension:mo
     de">
193          <path value="Immunization.extension.extension" />
194          <sliceName value="mode" />
195        </element>
196        <element id="Immunization.extension:eintragende_Person.extension:mo
     de.value[x]:valueCodeableConcept">
197          <path value="Immunization.extension.extension.value[x]" />
198          <sliceName value="valueCodeableConcept" />
199        </element>
```

```
200          <element id="Immunization.extension:eintragende_Person.extension:mo
      de.value[x]:valueCodeableConcept.text">
201              <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
202                  <valueBoolean value="true" />
203              </extension>
204              <path value="Immunization.extension.extension.value[x].text" />
205          </element>
206          <element id="Immunization.extension:eintragende_Person.extension:pa
      rty">
207              <path value="Immunization.extension.extension" />
208              <sliceName value="party" />
209          </element>
210          <element id="Immunization.extension:eintragende_Person.extension:pa
      rty.value[x]:valueReference">
211              <path value="Immunization.extension.extension.value[x]" />
212              <sliceName value="valueReference" />
213              <type>
214                  <code value="Reference" />
215                  <targetProfile value="https://fhir.kbv.de/
      StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
216              </type>
217          </element>
218          <element id="Immunization.extension:eintragende_Person.extension:pa
      rty.value[x]:valueReference.display">
219              <extension url="http://hl7.org/fhir/StructureDefinition/
      elementdefinition-translatable">
220                  <valueBoolean value="true" />
221              </extension>
222              <path value="Immunization.extension.extension.value[x].display"
      />
223          </element>
224          <element id="Immunization.identifier">
225              <path value="Immunization.identifier" />
226              <max value="0" />
227          </element>
228          <element id="Immunization.status">
229              <path value="Immunization.status" />
230              <fixedCode value="completed" />
231          </element>
232          <element id="Immunization.statusReason">
233              <path value="Immunization.statusReason" />
234              <max value="0" />
235          </element>
236          <element id="Immunization.vaccineCode">
237              <path value="Immunization.vaccineCode" />
238              <short value="Impfstoff" />
239              <definition value="Dieses Element beschreibt den verabreichten
      Impfstoff." />
240              <mustSupport value="true" />
241          </element>
242          <element id="Immunization.vaccineCode.coding">
243              <path value="Immunization.vaccineCode.coding" />
244              <slicing>
245                  <discriminator>
246                      <type value="value" />
247                      <path value="system" />
248                  </discriminator>
249                  <rules value="closed" />
250              </slicing>
```

```
251                    <min value="1" />
252                </element>
253            <element id="Immunization.vaccineCode.coding:snomed_CT">
254                <path value="Immunization.vaccineCode.coding" />
255                <sliceName value="snomed_CT" />
256                <short value="Snomed CT" />
257                <definition value="Dieses Element beschreibt den Impfstoff als
       SNOMED CT® Product Code." />
258                <min value="1" />
259                <max value="1" />
260                <mustSupport value="true" />
261                <binding>
262                    <strength value="required" />
263                    <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_Vaccine_List" />
264                </binding>
265                <mapping>
266                    <identity value="MIO-Impfpass" />
267                    <map value="Impfung.Impfstoff.Snomed Ct Code" />
268                </mapping>
269            </element>
270            <element id="Immunization.vaccineCode.coding:snomed_CT.system">
271                <path value="Immunization.vaccineCode.coding.system" />
272                <min value="1" />
273                <fixedUri value="http://snomed.info/sct" />
274            </element>
275            <element id="Immunization.vaccineCode.coding:snomed_CT.version">
276                <path value="Immunization.vaccineCode.coding.version" />
277                <min value="1" />
278            </element>
279            <element id="Immunization.vaccineCode.coding:snomed_CT.code">
280                <path value="Immunization.vaccineCode.coding.code" />
281                <min value="1" />
282            </element>
283            <element id="Immunization.vaccineCode.coding:snomed_CT.display">
284                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
285                    <valueBoolean value="true" />
286                </extension>
287                <path value="Immunization.vaccineCode.coding.display" />
288                <min value="1" />
289            </element>
290            <element id="Immunization.vaccineCode.coding:snomed_CT.userSelected
       ">
291                <path value="Immunization.vaccineCode.coding.userSelected" />
292                <max value="0" />
293            </element>
294            <element id="Immunization.vaccineCode.coding:atc">
295                <path value="Immunization.vaccineCode.coding" />
296                <sliceName value="atc" />
297                <short value="ATC" />
298                <definition value="Bezeichnung des Impfstoffs oder des
       Kombinationsimpfstoffes als Anatomisch-Therapeutisch-Chemische
       Klassifikation samt ATC-Code des Impfstoffs oder Kombinationsimpfstoffes.
       Grundlage ist die amtliche Fassung des ATC-Index für Deutschland (DIMDI).
       Es sind alle ATC-Codes aus der amtlichen Fassung des ATC-Index gelistet,
       unabhängig von deren Marktverfügbarkeit." />
299                <max value="1" />
300                <mustSupport value="true" />
301                <binding>
```

```
302                    <strength value="required" />
303                    <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_Vaccine_List_ATC" />
304                </binding>
305                <mapping>
306                    <identity value="MIO-Impfpass" />
307                    <map value="Impfung.Impfstoff.ATC" />
308                </mapping>
309            </element>
310            <element id="Immunization.vaccineCode.coding:atc.system">
311                <path value="Immunization.vaccineCode.coding.system" />
312                <min value="1" />
313                <fixedUri value="http://fhir.de/CodeSystem/dimdi/atc" />
314            </element>
315            <element id="Immunization.vaccineCode.coding:atc.code">
316                <path value="Immunization.vaccineCode.coding.code" />
317                <min value="1" />
318            </element>
319            <element id="Immunization.vaccineCode.coding:atc.display">
320                <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
321                    <valueBoolean value="true" />
322                </extension>
323                <path value="Immunization.vaccineCode.coding.display" />
324                <min value="1" />
325            </element>
326            <element id="Immunization.vaccineCode.coding:atc.userSelected">
327                <path value="Immunization.vaccineCode.coding.userSelected" />
328                <max value="0" />
329            </element>
330            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n">
331                <path value="Immunization.vaccineCode.coding" />
332                <sliceName value="pharmazentralnummer_pzn" />
333                <definition value="8-stellige Pharmazentralnummer (PZN) des
       Fertigarzneimittels (Impfstoffs). Die PZN definiert ein Fertigarzneimittel
       eindeutig." />
334                <max value="1" />
335                <mustSupport value="true" />
336                <binding>
337                    <strength value="required" />
338                    <valueSet value="http://fhir.de/ValueSet/ifa/pzn" />
339                </binding>
340                <mapping>
341                    <identity value="MIO-Impfpass" />
342                    <map value="Impfung.Impfstoff.Pharmazentralnummer" />
343                </mapping>
344            </element>
345            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.system">
346                <path value="Immunization.vaccineCode.coding.system" />
347                <min value="1" />
348                <fixedUri value="http://fhir.de/CodeSystem/ifa/pzn" />
349            </element>
350            <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.code">
351                <path value="Immunization.vaccineCode.coding.code" />
352                <min value="1" />
353            </element>
```

```
354    <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.display">
355        <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
356            <valueBoolean value="true" />
357        </extension>
358        <path value="Immunization.vaccineCode.coding.display" />
359        <min value="1" />
360    </element>
361    <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz
       n.userSelected">
362        <path value="Immunization.vaccineCode.coding.userSelected" />
363        <max value="0" />
364    </element>
365    <element id="Immunization.vaccineCode.text">
366        <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
367            <valueBoolean value="true" />
368        </extension>
369        <path value="Immunization.vaccineCode.text" />
370        <short value="Handelsname" />
371        <definition value="Bezeichnung des Handelsnamens des
       verabreichten Impfstoffs." />
372        <min value="1" />
373        <mustSupport value="true" />
374        <mapping>
375            <identity value="MIO-Impfpass" />
376            <map value="Impfung.Impfstoff.Handelsname" />
377        </mapping>
378    </element>
379    <element id="Immunization.patient">
380        <path value="Immunization.patient" />
381        <type>
382            <code value="Reference" />
383            <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
384        </type>
385        <mustSupport value="true" />
386    </element>
387    <element id="Immunization.patient.reference">
388        <path value="Immunization.patient.reference" />
389        <min value="1" />
390    </element>
391    <element id="Immunization.patient.type">
392        <path value="Immunization.patient.type" />
393        <max value="0" />
394    </element>
395    <element id="Immunization.patient.identifier">
396        <path value="Immunization.patient.identifier" />
397        <max value="0" />
398    </element>
399    <element id="Immunization.patient.display">
400        <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
401            <valueBoolean value="true" />
402        </extension>
403        <path value="Immunization.patient.display" />
404        <max value="0" />
405    </element>
406    <element id="Immunization.encounter">
```

```xml
407                    <path value="Immunization.encounter" />
408                    <max value="0" />
409                </element>
410                <element id="Immunization.occurrence[x]">
411                    <path value="Immunization.occurrence[x]" />
412                    <slicing>
413                        <discriminator>
414                            <type value="type" />
415                            <path value="$this" />
416                        </discriminator>
417                        <rules value="open" />
418                    </slicing>
419                    <mustSupport value="true" />
420                    <mapping>
421                        <identity value="MIO-Impfpass" />
422                        <map value="Impfung.Impfdatum" />
423                    </mapping>
424                </element>
425                <element id="Immunization.occurrence[x]:occurrenceDateTime">
426                    <path value="Immunization.occurrence[x]" />
427                    <sliceName value="occurrenceDateTime" />
428                    <short value="Datum der Schutzimpfung" />
429                    <definition value="Im Anwendungsszenario "Daten eintragen"
        entspricht es dem Datum, an dem die Impfung durchgeführt wurde.\n\nIm
        Anwendungsszenario "Daten nach- oder übertragen" entspricht es dem Datum
        oder einer gröberen Angabe der Zeit bzw. des Zeitraums einer
        zurückliegenden Impfung, die im Impfpass nachgetragen wird. Wird eine
        abgeschlossene Grundimmunisierung übertragen, so sollte das Datum der Gabe
        der letzten Dosis dokumentiert werden." />
430                    <min value="1" />
431                    <type>
432                        <code value="dateTime" />
433                    </type>
434                    <mustSupport value="true" />
435                    <mapping>
436                        <identity value="MIO-Impfpass" />
437                        <map value="Impfung.Impfdatum" />
438                    </mapping>
439                </element>
440                <element id="Immunization.recorded">
441                    <path value="Immunization.recorded" />
442                    <max value="0" />
443                </element>
444                <element id="Immunization.primarySource">
445                    <path value="Immunization.primarySource" />
446                    <min value="1" />
447                    <fixedBoolean value="true" />
448                </element>
449                <element id="Immunization.reportOrigin">
450                    <path value="Immunization.reportOrigin" />
451                    <max value="0" />
452                </element>
453                <element id="Immunization.location">
454                    <path value="Immunization.location" />
455                    <max value="0" />
456                </element>
457                <element id="Immunization.manufacturer">
458                    <path value="Immunization.manufacturer" />
459                    <short value="Hersteller" />
```

```xml
460            <definition value="Name des herstellenden bzw. des anbietenden
         Unternehmens. Dies bietet eine Zusatzinformation zum Fertigarzneimittel." /
         >
461            <mustSupport value="true" />
462            <mapping>
463                <identity value="MIO-Impfpass" />
464                <map value="Impfung.Impfstoff.Hersteller" />
465            </mapping>
466        </element>
467        <element id="Immunization.manufacturer.reference">
468            <path value="Immunization.manufacturer.reference" />
469            <max value="0" />
470        </element>
471        <element id="Immunization.manufacturer.type">
472            <path value="Immunization.manufacturer.type" />
473            <max value="0" />
474        </element>
475        <element id="Immunization.manufacturer.identifier">
476            <path value="Immunization.manufacturer.identifier" />
477            <max value="0" />
478        </element>
479        <element id="Immunization.manufacturer.display">
480            <extension url="http://hl7.org/fhir/StructureDefinition/
         elementdefinition-translatable">
481                <valueBoolean value="true" />
482            </extension>
483            <path value="Immunization.manufacturer.display" />
484            <min value="1" />
485            <mustSupport value="true" />
486        </element>
487        <element id="Immunization.lotNumber">
488            <path value="Immunization.lotNumber" />
489            <short value="Chargenbezeichnung" />
490            <definition value="Chargenbezeichnung des verabreichten
         Impfstoffs." />
491            <min value="1" />
492            <mustSupport value="true" />
493            <mapping>
494                <identity value="MIO-Impfpass" />
495                <map value="Impfung.Impfstoff.Chargennummer" />
496            </mapping>
497        </element>
498        <element id="Immunization.expirationDate">
499            <path value="Immunization.expirationDate" />
500            <max value="0" />
501        </element>
502        <element id="Immunization.site">
503            <path value="Immunization.site" />
504            <max value="0" />
505        </element>
506        <element id="Immunization.route">
507            <path value="Immunization.route" />
508            <max value="0" />
509        </element>
510        <element id="Immunization.doseQuantity">
511            <path value="Immunization.doseQuantity" />
512            <max value="0" />
513        </element>
514        <element id="Immunization.performer">
515            <path value="Immunization.performer" />
```

```xml
                    <max value="0" />
                </element>
                <element id="Immunization.note">
                    <path value="Immunization.note" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="text" />
                        </discriminator>
                        <ordered value="true" />
                        <rules value="openAtEnd" />
                    </slicing>
                    <short value="Notes" />
                    <definition value="In diesem Element wird der Hinweis und die
        Anmerkungen zur durchgeführten Impfung eingetragen werden." />
                    <min value="1" />
                    <max value="2" />
                    <mustSupport value="true" />
                    <mapping>
                        <identity value="MIO-Impfpass" />
                        <map value="Impfung.Anmerkungen zur durchgeführten
        Impfung" />
                    </mapping>
                </element>
                <element id="Immunization.note.author[x]">
                    <path value="Immunization.note.author[x]" />
                    <max value="0" />
                </element>
                <element id="Immunization.note.time">
                    <path value="Immunization.note.time" />
                    <max value="0" />
                </element>
                <element id="Immunization.note:hinweis">
                    <path value="Immunization.note" />
                    <sliceName value="hinweis" />
                    <min value="1" />
                    <max value="1" />
                </element>
                <element id="Immunization.note:hinweis.author[x]">
                    <path value="Immunization.note.author[x]" />
                    <max value="0" />
                </element>
                <element id="Immunization.note:hinweis.time">
                    <path value="Immunization.note.time" />
                    <max value="0" />
                </element>
                <element id="Immunization.note:hinweis.text">
                    <path value="Immunization.note.text" />
                    <fixedMarkdown value="Bei einer ungewöhnlichen Impfreaktion
        sollte die impfende ärztliche Person benachrichtigt werden. Die ärztlich
        tätige Person hat, wenn der Verdacht einer gesundheitlichen Schädigung
        besteht, die über das übliche Ausmaß einer Impfreaktion hinaus geht
        verpflichtet, den Verdacht dem zuständigen Gesundheitsamt namentlich zu
        melden (§ 6 Absatz 1 Nr 3 des lnfektionsschutzgesetzes • lfSG) Im Falle
        eines Impfschadens besteht unter den Voraussetzungen des § 60 Absatz 1 lfSG
        ein Anspruch auf Entschädigung in entsprechender Anwendung der Vorschriften
        des Bundesversorgungsgesetzes. Der Antrag ist bei der für die Durchführung
        des Bundesversorgungsgesetzes zuständigen Behörde (§ 64 Absatz 1 lfSG,
        i.d.R. 'Versorgungsamt') zu stellen. Weitere Auskünfte erteilt das
        zuständige Gesundheitsamt." />
```

```
563              </element>
564              <element id="Immunization.reasonCode">
565                  <path value="Immunization.reasonCode" />
566                  <max value="0" />
567              </element>
568              <element id="Immunization.reasonReference">
569                  <path value="Immunization.reasonReference" />
570                  <max value="0" />
571              </element>
572              <element id="Immunization.isSubpotent">
573                  <path value="Immunization.isSubpotent" />
574                  <max value="0" />
575              </element>
576              <element id="Immunization.subpotentReason">
577                  <path value="Immunization.subpotentReason" />
578                  <max value="0" />
579              </element>
580              <element id="Immunization.education">
581                  <path value="Immunization.education" />
582                  <max value="0" />
583              </element>
584              <element id="Immunization.programEligibility">
585                  <path value="Immunization.programEligibility" />
586                  <max value="0" />
587              </element>
588              <element id="Immunization.fundingSource">
589                  <path value="Immunization.fundingSource" />
590                  <max value="0" />
591              </element>
592              <element id="Immunization.reaction">
593                  <path value="Immunization.reaction" />
594                  <max value="0" />
595              </element>
596              <element id="Immunization.protocolApplied">
597                  <path value="Immunization.protocolApplied" />
598                  <min value="1" />
599                  <max value="1" />
600                  <mustSupport value="true" />
601              </element>
602              <element id="Immunization.protocolApplied.extension">
603                  <path value="Immunization.protocolApplied.extension" />
604                  <slicing>
605                      <discriminator>
606                          <type value="value" />
607                          <path value="url" />
608                      </discriminator>
609                      <rules value="open" />
610                  </slicing>
611              </element>
612              <element id="Immunization.protocolApplied.extension:datum_der_Folge
     impfung">
613                  <path value="Immunization.protocolApplied.extension" />
614                  <sliceName value="datum_der_Folgeimpfung" />
615                  <type>
616                      <code value="Extension" />
617                      <profile value="https://fhir.kbv.de/StructureDefinition/
     KBV_EX_MIO_Vaccination_Follow_Up|1.00.000" />
618                  </type>
619                  <mustSupport value="true" />
620                  <mapping>
```

```
621                        <identity value="MIO-Impfpass" />
622                        <map value="Impfung.Datum der Folgeimpfung" />
623                    </mapping>
624                </element>
625                <element id="Immunization.protocolApplied.series">
626                    <path value="Immunization.protocolApplied.series" />
627                    <max value="0" />
628                </element>
629                <element id="Immunization.protocolApplied.authority">
630                    <path value="Immunization.protocolApplied.authority" />
631                    <max value="0" />
632                </element>
633                <element id="Immunization.protocolApplied.targetDisease">
634                    <path value="Immunization.protocolApplied.targetDisease" />
635                    <short value="Erkrankung gegen die geimpft wird" />
636                    <definition value="Dieses Element beschreibt den Namen der
       Krankheit, gegen die geimpft wird. Es handelt sich um ein mehrfach
       auswählbares Element, da ein Impfstoff mehrere einzelne Wirkstoffe
       enthalten kann und somit mehrere Erkrankungen, gegen die geimpft wird,
       adressiert werden können." />
637                    <min value="1" />
638                    <mustSupport value="true" />
639                    <binding>
640                        <strength value="required" />
641                        <valueSet value="https://fhir.kbv.de/ValueSet/
       KBV_VS_MIO_Vaccination_TargetDisease" />
642                    </binding>
643                    <mapping>
644                        <identity value="MIO-Impfpass" />
645                        <map value="Impfung.Erkrankung gegen die geimpft wird" />
646                    </mapping>
647                </element>
648                <element id="Immunization.protocolApplied.targetDisease.coding">
649                    <path value="Immunization.protocolApplied.targetDisease.coding"
       />
650                    <min value="1" />
651                    <max value="1" />
652                    <mustSupport value="true" />
653                </element>
654                <element id="Immunization.protocolApplied.targetDisease.coding.syst
       em">
655                    <path value="Immunization.protocolApplied.targetDisease.coding.
       system" />
656                    <min value="1" />
657                </element>
658                <element id="Immunization.protocolApplied.targetDisease.coding.vers
       ion">
659                    <path value="Immunization.protocolApplied.targetDisease.coding.
       version" />
660                    <min value="1" />
661                </element>
662                <element id="Immunization.protocolApplied.targetDisease.coding.code
       ">
663                    <path value="Immunization.protocolApplied.targetDisease.coding.
       code" />
664                    <min value="1" />
665                </element>
666                <element id="Immunization.protocolApplied.targetDisease.coding.disp
       lay">
```

```xml
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.protocolApplied.targetDisease.coding.
display" />
                    <min value="1" />
            </element>
            <element id="Immunization.protocolApplied.targetDisease.text">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                        <valueBoolean value="true" />
                    </extension>
                    <path value="Immunization.protocolApplied.targetDisease.text" /
>
                    <definition value="In diesem Attribut sollen die entsprechende
deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
fhir.kbv.de/ConceptMap/KBV_CM_MIO_Vaccination_Vaccine_Targetdisease" />
                    <min value="1" />
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]">
                    <path value="Immunization.protocolApplied.doseNumber[x]" />
                    <slicing>
                        <discriminator>
                            <type value="type" />
                            <path value="$this" />
                        </discriminator>
                        <rules value="open" />
                    </slicing>
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
tring">
                    <path value="Immunization.protocolApplied.doseNumber[x]" />
                    <sliceName value="doseNumberString" />
                    <min value="1" />
                    <type>
                        <code value="string" />
                    </type>
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
tring.extension">
                    <path value="Immunization.protocolApplied.doseNumber[x].extensi
on" />
                    <slicing>
                        <discriminator>
                            <type value="value" />
                            <path value="url" />
                        </discriminator>
                        <rules value="open" />
                    </slicing>
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
tring.extension:data-absent-reason">
                    <path value="Immunization.protocolApplied.doseNumber[x].extensi
on" />
                    <sliceName value="data-absent-reason" />
                    <min value="1" />
                    <type>
                        <code value="Extension" />
```

```xml
                        <profile value="http://hl7.org/fhir/StructureDefinition/
data-absent-reason" />
                </type>
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
tring.extension:data-absent-reason.value[x]">
                <path value="Immunization.protocolApplied.doseNumber[x].extensi
on.value[x]" />
                <slicing>
                    <discriminator>
                        <type value="type" />
                        <path value="$this" />
                    </discriminator>
                    <rules value="open" />
                </slicing>
                <min value="1" />
            </element>
            <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS
tring.extension:data-absent-reason.value[x]:valueCode">
                <path value="Immunization.protocolApplied.doseNumber[x].extensi
on.value[x]" />
                <sliceName value="valueCode" />
                <min value="1" />
                <fixedCode value="unknown" />
            </element>
            <element id="Immunization.protocolApplied.seriesDoses[x]">
                <path value="Immunization.protocolApplied.seriesDoses[x]" />
                <max value="0" />
            </element>
        </differential>
    </StructureDefinition>
```

15. KBV_CM_MIO_VACCINATION_AGE_GROUP_GERMAN

KBV_CM_MIO_Vaccination_Age_Group_German

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Age_Group_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Age_Group_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für die
   Lebensphase mit deutschen Bezeichnungen" />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
   Terms® (SNOMED CT®) which is used by permission of SNOMED International.
   All rights reserved. SNOMED CT®, was originally created by The College of
   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Age_Group_German" />
13         <element>
14             <code value="271872005" />
15             <display value="Old age (qualifier value)" />
16             <target>
17                 <code value="Senior65" />
18                 <display value="Ältere Person/ Senioren (Mit Beginn des 65.
   Lebensjahres)" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="41847000" />
24             <display value="Adulthood (qualifier value)" />
25             <target>
26                 <code value="Erwachsener18" />
27                 <display value="Erwachsener (Ab Beginn des 19.
   Lebensjahres)" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31         <element>
32             <code value="263659003" />
33             <display value="Adolescence (qualifier value)" />
34             <target>
35                 <code value="Jugendlicher1318" />
36                 <display value="Jugendlicher (Ab Beginn des 13. bis zum
   vollendeten 18. Lebensjahres)" />
37                 <equivalence value="equivalent" />
38             </target>
39         </element>
40         <element>
41             <code value="255398004" />
42             <display value="Childhood (qualifier value)" />
```

```xml
43                <target>
44                    <code value="Kind412" />
45                    <display value="Kind (Ab Beginn des 4. bis zum vollendeten
   12. Lebensjahres)" />
46                    <equivalence value="equivalent" />
47                </target>
48            </element>
49            <element>
50                <code value="713153009" />
51                <display value="Toddler (qualifier value)" />
52                <target>
53                    <code value="Kleinkind134" />
54                    <display value="Kleinkind (Ab Beginn des 13. Lebensmonat
   bis zum vollendeten 3. Lebensjahr)" />
55                    <equivalence value="equivalent" />
56                </target>
57            </element>
58            <element>
59                <code value="3658006" />
60                <display value="Infancy (qualifier value)" />
61                <target>
62                    <code value="Saeugling12" />
63                    <display value="Säugling (Ab Beginn des 29. Lebenstages bis
   zum vollendeten 12. Lebensmonat)" />
64                    <equivalence value="equivalent" />
65                </target>
66            </element>
67        </group>
68    </ConceptMap>
```

16. KBV_CM_MIO_VACCINATION_IMMUNIZATIONORIGINCODES_GERMAN

KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German

```xml
1   <ConceptMap xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ConceptMap/
    KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German" />
3       <version value="1.00.000" />
4       <name value="KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German" />
5       <status value="active" />
6       <experimental value="false" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <description value="Diese Conceptmap verknüpft die Codes für die Quelle
    der Information, die für den Nachtrag einer Impfung verwendet werden, mit
    deutschen Bezeichnungen" />
9       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
10      <group>
11          <source value="http://terminology.hl7.org/CodeSystem/immunization-
    origin" />
12          <target value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German" />
13          <element>
14              <code value="recall" />
15              <display value="Parent/Guardian/Patient Recall" />
16              <target>
17                  <code value="Eltern-Patienten-Erziehungsberechtigter-
    Erinnerung" />
18                  <display value="Eltern/Erziehungsberechtigter/Patienten
    Erinnerung" />
19                  <equivalence value="equivalent" />
20              </target>
21          </element>
22          <element>
23              <code value="record" />
24              <display value="Written Record" />
25              <target>
26                  <code value="Schriftliche-Dokumentation" />
27                  <display value="Schriftliche Dokumentation" />
28                  <equivalence value="equivalent" />
29              </target>
30          </element>
31          <element>
32              <code value="provider" />
33              <display value="Other Provider" />
34              <target>
35                  <code value="Anderer-Arzt-oder-sonstiger-im-
    Gesundheitsberuf" />
36                  <display value="Anderer Arzt oder sonstiger im
    Gesundheitsberuf" />
37                  <equivalence value="equivalent" />
38              </target>
39          </element>
40      </group>
41  </ConceptMap>
```

17. KBV_CM_MIO_VACCINATION_LAB_IMMUNEREACTION_TEST_PRESENCE_GERMAN

KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German

```xml
1   <ConceptMap xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ConceptMap/
    KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
3       <version value="1.00.000" />
4       <name value="KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Ge
    rman" />
5       <status value="active" />
6       <experimental value="false" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <description value="Diese Conceptmap verknüpft die Codes für die
    Titerbezeichnungen mit deutschen Bezeichnern" />
9       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
    All rights reserved. SNOMED CT®, was originally created by The College of
    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
10      <group>
11          <source value="http://loinc.org" />
12          <target value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
13          <element>
14              <code value="22600-1" />
15              <display value="Varicella zoster virus Ab [Presence] in
    Serum" />
16              <target>
17                  <code value="Varizellen-Antikoerpernachweis" />
18                  <display value="Varizellen Antikörpernachweis" />
19                  <equivalence value="equivalent" />
20              </target>
21          </element>
22          <element>
23              <code value="26643-7" />
24              <display value="Clostridium tetani toxoid Ab [Presence] in
    Serum" />
25              <target>
26                  <code value="Tetanus-Antikoerpernachweis" />
27                  <display value="Tetanus Antikörpernachweis" />
28                  <equivalence value="equivalent" />
29              </target>
30          </element>
31          <element>
32              <code value="30546-6" />
33              <display value="Polio virus 1 Ab [Presence] in Serum" />
34              <target>
35                  <code value="Polio-Antikoerpernachweis" />
36                  <display value="Polio Antikörpernachweis" />
37                  <equivalence value="equivalent" />
38              </target>
39          </element>
40          <element>
41              <code value="31998-8" />
42              <display value="Bordetella pertussis Ab [Presence] in Serum" />
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43              <target>
44                  <code value="Pertussis-Antikoerpernachweis" />
45                  <display value="Pertussis Antikörpernachweis" />
46                  <equivalence value="equivalent" />
47              </target>
48          </element>
49          <element>
50              <code value="31503-6" />
51              <display value="Mumps virus Ab [Presence] in Serum" />
52              <target>
53                  <code value="Mumps-Antikoerpernachweis" />
54                  <display value="Mumps Antikörpernachweis" />
55                  <equivalence value="equivalent" />
56              </target>
57          </element>
58          <element>
59              <code value="17322-9" />
60              <display value="Neisseria meningitidis Ab [Presence] in
    Serum" />
61              <target>
62                  <code value="Meningokokken-Antikoerpernachweis" />
63                  <display value="Meningokokken Antikörpernachweis" />
64                  <equivalence value="equivalent" />
65              </target>
66          </element>
67          <element>
68              <code value="46197-0" />
69              <display value="Measles virus Ab [Presence] in Serum" />
70              <target>
71                  <code value="Masern-Antikoerpernachweis" />
72                  <display value="Masern Antikörpernachweis" />
73                  <equivalence value="equivalent" />
74              </target>
75          </element>
76          <element>
77              <code value="43429-0" />
78              <display value="Haemophilus influenzae B Ag [Presence] in
    Serum" />
79              <target>
80                  <code value="Haemophilus-influenzae-B-
    Antikoerpernachweis" />
81                  <display value="Haemophilus influenzae B
    Antikörpernachweis" />
82                  <equivalence value="equivalent" />
83              </target>
84          </element>
85          <element>
86              <code value="5195-3" />
87              <display value="Hepatitis B virus surface Ag [Presence] in
    Serum" />
88              <target>
89                  <code value="Hepatitis-B-Antikoerpernachweis" />
90                  <display value="Hepatitis B Antikörpernachweis" />
91                  <equivalence value="equivalent" />
92              </target>
93          </element>
94          <element>
95              <code value="20575-7" />
96              <display value="Hepatitis A virus Ab [Presence] in Serum" />
97              <target>
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```xml
                            <code value="Hepatitis-A-Antikoerpernachweis" />
                            <display value="Hepatitis A Antikörpernachweis" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                    <element>
                        <code value="26630-4" />
                        <display value="Corynebacterium diphtheriae toxin Ab [Presence]
    in Serum" />
                        <target>
                            <code value="Diphtherie-Antikoerpernachweis" />
                            <display value="Diphtherie Antikörpernachweis" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                    <element>
                        <code value="22496-4" />
                        <display value="Rubella virus Ab [Presence] in Serum" />
                        <target>
                            <code value="Röteln-Antikoerpernachweis" />
                            <display value="Röteln Antikörpernachweis" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                </group>
                <group>
                    <source value="http://snomed.info/sct" />
                    <target value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
                    <element>
                        <code value="268376005" />
                        <display value="Mantoux: positive (finding)" />
                        <target>
                            <code value="Tuberkulose-Mendel-Mantoux-Test-positiv" />
                            <display value="Tuberkulose - Mendel-Mantoux-Test
    positiv" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                    <element>
                        <code value="268375009" />
                        <display value="Mantoux: negative (finding)" />
                        <target>
                            <code value="Tuberkulose-Mendel-Mantoux-Test-negativ" />
                            <display value="Tuberkulose - Mendel-Mantoux-Test
    negativ" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                    <element>
                        <code value="440662009" />
                        <display value="Interferon gamma assay positive (finding)" />
                        <target>
                            <code value="Tuberkulose-Interferon-gamma-assay-positiv" />
                            <display value="Tuberkulose - Interferon gamma assay
    positiv" />
                            <equivalence value="equivalent" />
                        </target>
                    </element>
                    <element>
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```
153                    <code value="440661002" />
154                    <display value="Interferon gamma assay negative (finding)" />
155                    <target>
156                        <code value="Tuberkulose-Interferon-gamma-assay-negativ" />
157                        <display value="Tuberkulose - Interferon gamma assay
        negativ" />
158                        <equivalence value="equivalent" />
159                    </target>
160                </element>
161                <element>
162                    <code value="363787002:370134009=123029007,246093002=259833005,
        370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
        003" />
163                    <display value="Observable entity (observable entity) :
        Component (attribute) = Varicella-zoster virus antibody (substance) , Time
        aspect (attribute) = Single point in time (qualifier value) , Scale type
        (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
        Plasma (substance) , Property type (attribute) = Presence (property)
        (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
164                    <target>
165                        <code value="Varizellen-Antikoerpernachweis" />
166                        <display value="Varizellen Antikörpernachweis" />
167                        <equivalence value="equivalent" />
168                    </target>
169                </element>
170                <element>
171                    <code value="363787002:370134009=123029007,246093002=259833005,
        370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
        003" />
172                    <display value="Observable entity (observable entity) : Time
        aspect (attribute) = Single point in time (qualifier value) , Component
        (attribute) = Clostridium tetani toxoid antibody (substance) , Scale type
        (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
        Plasma (substance) , Property type (attribute) = Presence (property)
        (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
173                    <target>
174                        <code value="Tetanus-Antikoerpernachweis" />
175                        <display value="Tetanus Antikörpernachweis" />
176                        <equivalence value="equivalent" />
177                    </target>
178                </element>
179                <element>
180                    <code value="363787002:370134009=123029007,246093002=120856009,
        370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
        003" />
181                    <display value="Observable entity (observable entity) : Time
        aspect (attribute) = Single point in time (qualifier value) , Component
        (attribute) = Human poliovirus 1 antibody (substance) , Scale type
        (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
        Plasma (substance) , Property type (attribute) = Presence (property)
        (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
182                    <target>
183                        <code value="Polio-Antikoerpernachweis" />
184                        <display value="Polio Antikörpernachweis" />
185                        <equivalence value="equivalent" />
186                    </target>
187                </element>
188                <element>
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```
189              <code value="363787002:246093002=120662001,370134009=123029007,
          370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
          003" />
190              <display value="Observable entity (observable entity):
          Component (attribute) = Bordetella pertussis antibody (substance) , Time
          aspect (attribute) = Single point in time (qualifier value) , Scale type
          (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
          Plasma (substance) , Property type (attribute) = Presence (property)
          (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
191              <target>
192                  <code value="Pertussis-Antikoerpernachweis" />
193                  <display value="Pertussis Antikörpernachweis" />
194                  <equivalence value="equivalent" />
195              </target>
196          </element>
197          <element>
198              <code value="363787002:246093002=120721000,370134009=123029007,
          370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
          003" />
199              <display value="Observable entity (observable entity):
          Component (attribute) = Mumps virus antibody (substance) , Time aspect
          (attribute) = Single point in time (qualifier value) , Scale type
          (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
          Plasma (substance) , Property type (attribute) = Presence (property)
          (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
200              <target>
201                  <code value="Mumps-Antikoerpernachweis" />
202                  <display value="Mumps Antikörpernachweis" />
203                  <equivalence value="equivalent" />
204              </target>
205          </element>
206          <element>
207              <code value="363787002:370134009=123029007,246093002=120871008,
          370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
          003" />
208              <display value="Observable entity (observable entity) : Time
          aspect (attribute) = Single point in time (qualifier value) , Component
          (attribute) = Neisseria meningitidis antibody (substance) , Scale type
          (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
          Plasma (substance) , Property type (attribute) = Presence (property)
          (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
209              <target>
210                  <code value="Meningokokken-Antikoerpernachweis" />
211                  <display value="Meningokokken Antikörpernachweis" />
212                  <equivalence value="equivalent" />
213              </target>
214          </element>
215          <element>
216              <code value="363787002:370134009=123029007,246093002=120969007,
          370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
          003" />
217              <display value="Observable entity (observable entity) : Time
          aspect (attribute) = Single point in time (qualifier value) , Component
          (attribute) = Measles virus antibody (substance) , Scale type (attribute) =
          Ordinal value (qualifier value) , Inheres in (attribute) = Plasma
          (substance) , Property type (attribute) = Presence (property) (qualifier
          value) , Direct site (attribute) = Serum specimen (specimen)" />
218              <target>
219                  <code value="Masern-Antikoerpernachweis" />
220                  <display value="Masern Antikörpernachweis" />
```

```xml
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="363787002:246093002=120975003,370134009=123029007,
370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
003" />
            <display value="Observable entity (observable entity):
Component (attribute) = Antigen of Haemophilus influenzae type B
(substance) , Time aspect (attribute) = Single point in time (qualifier
value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres
in (attribute) = Plasma (substance) , Property type (attribute) = Presence
(property) (qualifier value) , Direct site (attribute) = Serum specimen
(specimen)" />
            <target>
                <code value="Haemophilus-influenzae-B-
Antikoerpernachweis" />
                <display value="Haemophilus influenzae B
Antikörpernachweis" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="363787002:370134009=123029007,370132008=117363000,
704319004=50863008,246093002=22290004,704318007=705057003,704327008=1193640
03" />
            <display value="Observable entity (observable entity) : Time
aspect (attribute) = Single point in time (qualifier value) , Scale type
(attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
Plasma (substance) , Component (attribute) = Surface antigen of Hepatitis B
virus (substance) ,Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
            <target>
                <code value="Hepatitis-B-Antikoerpernachweis" />
                <display value="Hepatitis B Antikörpernachweis" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="363787002:370134009=123029007,246093002=32609007,3
70132008=117363000,704319004=50863008,704318007=705057003,704327008=1193640
03" />
            <display value="Observable entity (observable entity) : Time
aspect (attribute) = Single point in time (qualifier value) , Component
(attribute) = Antibody to hepatitis A virus (substance) , Scale type
(attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
            <target>
                <code value="Hepatitis-A-Antikoerpernachweis" />
                <display value="Hepatitis A Antikörpernachweis" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="363787002:370134009=123029007,370132008=117363000,
704319004=50863008,246093002=259834004,704318007=705057003,704327008=119364
003" />
```

```xml
                    <display value="Observable entity (observable entity) : Time
        aspect (attribute) = Single point in time (qualifier value) , Scale type
        (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
        Plasma (substance) , Component (attribute) = Corynebacterium diphtheriae
        toxoid antibody (substance) , Property type (attribute) = Presence
        (property) (qualifier value) , Direct site (attribute) = Serum specimen
        (specimen)" />
                    <target>
                        <code value="Diphtherie-Antikoerpernachweis" />
                        <display value="Diphtherie Antikörpernachweis" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="363787002:246093002=120737006,370134009=123029007,
        370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364
        003" />
                    <display value="Observable entity (observable entity):
        Component (attribute) = Rubella virus antibody (substance) , Time aspect
        (attribute) = Single point in time (qualifier value) , Scale type
        (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
        Plasma (substance) , Property type (attribute) = Presence (property)
        (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                    <target>
                        <code value="Röteln-Antikoerpernachweis" />
                        <display value="Röteln Antikörpernachweis" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
            </group>
        </ConceptMap>
```

18. KBV_CM_MIO_VACCINATION_LAB_IMMUNEREACTION_TEST_PRESENCE_LOINC_SNOMED

KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_LOINC_Snomed

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1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_LOINC_Snomed" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_LO
   INC_Snomed" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für die Loinc-
   Titerbezeichnungen mit denen von Snomed" />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
   Terms® (SNOMED CT®) which is used by permission of SNOMED International.
   All rights reserved. SNOMED CT®, was originally created by The College of
   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://loinc.org" />
12         <target value="http://snomed.info/sct" />
13         <element>
14             <code value="22600-1" />
15             <display value="Varicella zoster virus Ab [Presence] in
   Serum" />
16             <target>
17                 <code value="363787002:370134009=123029007,246093002=259833
   005,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
   9364003" />
18                 <display value="Observable entity (observable entity) :
   Component (attribute) = Varicella-zoster virus antibody (substance) , Time
   aspect (attribute) = Single point in time (qualifier value) , Scale type
   (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
   Plasma (substance) , Property type (attribute) = Presence (property)
   (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="26643-7" />
24             <display value="Clostridium tetani toxoid Ab [Presence] in
   Serum" />
25             <target>
26                 <code value="363787002:370134009=123029007,246093002=259833
   005,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
   9364003" />
27                 <display value="Observable entity (observable entity) :
   Time aspect (attribute) = Single point in time (qualifier value) ,
   Component (attribute) = Clostridium tetani toxoid antibody (substance) ,
   Scale type (attribute) = Ordinal value (qualifier value) , Inheres in
   (attribute) = Plasma (substance) , Property type (attribute) = Presence
   (property) (qualifier value) , Direct site (attribute) = Serum specimen
   (specimen)" />
28                 <equivalence value="equivalent" />
```

```
29                      </target>
30                  </element>
31                  <element>
32                      <code value="30546-6" />
33                      <display value="Polio virus 1 Ab [Presence] in Serum" />
34                      <target>
35                          <code value="363787002:370134009=123029007,246093002=120856
      009,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
      9364003" />
36                          <display value="Observable entity (observable entity) :
      Time aspect (attribute) = Single point in time (qualifier value) ,
      Component (attribute) = Human poliovirus 1 antibody (substance) , Scale
      type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
      = Plasma (substance) , Property type (attribute) = Presence (property)
      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
37                          <equivalence value="equivalent" />
38                      </target>
39                  </element>
40                  <element>
41                      <code value="31998-8" />
42                      <display value="Bordetella pertussis Ab [Presence] in Serum" />
43                      <target>
44                          <code value="363787002:246093002=120662001,370134009=123029
      007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
      9364003" />
45                          <display value="Observable entity (observable entity):
      Component (attribute) = Bordetella pertussis antibody (substance) , Time
      aspect (attribute) = Single point in time (qualifier value) , Scale type
      (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
      Plasma (substance) , Property type (attribute) = Presence (property)
      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
46                          <equivalence value="equivalent" />
47                      </target>
48                  </element>
49                  <element>
50                      <code value="31503-6" />
51                      <display value="Mumps virus Ab [Presence] in Serum" />
52                      <target>
53                          <code value="363787002:246093002=120721000,370134009=123029
      007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
      9364003" />
54                          <display value="Observable entity (observable entity):
      Component (attribute) = Mumps virus antibody (substance) , Time aspect
      (attribute) = Single point in time (qualifier value) , Scale type
      (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
      Plasma (substance) , Property type (attribute) = Presence (property)
      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
55                          <equivalence value="equivalent" />
56                      </target>
57                  </element>
58                  <element>
59                      <code value="17322-9" />
60                      <display value="Neisseria meningitidis Ab [Presence] in
      Serum" />
61                      <target>
62                          <code value="363787002:370134009=123029007,246093002=120871
      008,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
      9364003" />
```

```
 63                        <display value="Observable entity (observable entity) :
       Time aspect (attribute) = Single point in time (qualifier value) ,
       Component (attribute) = Neisseria meningitidis antibody (substance) , Scale
       type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
       = Plasma (substance) , Property type (attribute) = Presence (property)
       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
 64                        <equivalence value="equivalent" />
 65                    </target>
 66                </element>
 67                <element>
 68                    <code value="46197-0" />
 69                    <display value="Measles virus Ab [Presence] in Serum" />
 70                    <target>
 71                        <code value="363787002:370134009=123029007,246093002=120969
       007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
       9364003" />
 72                        <display value="Observable entity (observable entity) :
       Time aspect (attribute) = Single point in time (qualifier value) ,
       Component (attribute) = Measles virus antibody (substance) , Scale type
       (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
       Plasma (substance) , Property type (attribute) = Presence (property)
       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
 73                        <equivalence value="equivalent" />
 74                    </target>
 75                </element>
 76                <element>
 77                    <code value="43429-0" />
 78                    <display value="Haemophilus influenzae B Ag [Presence] in
       Serum" />
 79                    <target>
 80                        <code value="363787002:246093002=120975003,370134009=123029
       007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
       9364003" />
 81                        <display value="Observable entity (observable entity):
       Component (attribute) = Antigen of Haemophilus influenzae type B
       (substance) , Time aspect (attribute) = Single point in time (qualifier
       value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres
       in (attribute) = Plasma (substance) , Property type (attribute) = Presence
       (property) (qualifier value) , Direct site (attribute) = Serum specimen
       (specimen)" />
 82                        <equivalence value="equivalent" />
 83                    </target>
 84                </element>
 85                <element>
 86                    <code value="5195-3" />
 87                    <display value="Hepatitis B virus surface Ag [Presence] in
       Serum" />
 88                    <target>
 89                        <code value="363787002:370134009=123029007,370132008=117363
       000,704319004=50863008,246093002=22290004,704318007=705057003,704327008=119
       364003" />
 90                        <display value="Observable entity (observable entity) :
       Time aspect (attribute) = Single point in time (qualifier value) , Scale
       type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
       = Plasma (substance) , Component (attribute) = Surface antigen of Hepatitis
       B virus (substance) ,Property type (attribute) = Presence (property)
       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
 91                        <equivalence value="equivalent" />
 92                    </target>
 93                </element>
```

```xml
 94              <element>
 95                  <code value="20575-7" />
 96                  <display value="Hepatitis A virus Ab [Presence] in Serum" />
 97                  <target>
 98                      <code value="363787002:370134009=123029007,246093002=32609007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364003" />
 99                      <display value="Observable entity (observable entity) : Time aspect (attribute) = Single point in time (qualifier value) , Component (attribute) = Antibody to hepatitis A virus (substance) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) = Plasma (substance) , Property type (attribute) = Presence (property) (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
100                      <equivalence value="equivalent" />
101                  </target>
102              </element>
103              <element>
104                  <code value="26630-4" />
105                  <display value="Corynebacterium diphtheriae toxin Ab [Presence] in Serum" />
106                  <target>
107                      <code value="363787002:370134009=123029007,370132008=117363000,704319004=50863008,246093002=259834004,704318007=705057003,704327008=119364003" />
108                      <display value="Observable entity (observable entity) : Time aspect (attribute) = Single point in time (qualifier value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) = Plasma (substance) , Component (attribute) = Corynebacterium diphtheriae toxoid antibody (substance) , Property type (attribute) = Presence (property) (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
109                      <equivalence value="equivalent" />
110                  </target>
111              </element>
112              <element>
113                  <code value="22496-4" />
114                  <display value="Rubella virus Ab [Presence] in Serum" />
115                  <target>
116                      <code value="363787002:246093002=120737006,370134009=123029007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=119364003" />
117                      <display value="Observable entity (observable entity): Component (attribute) = Rubella virus antibody (substance) , Time aspect (attribute) = Single point in time (qualifier value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) = Plasma (substance) , Property type (attribute) = Presence (property) (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
118                      <equivalence value="equivalent" />
119                  </target>
120              </element>
121          </group>
122      </ConceptMap>
```

19. KBV_CM_MIO_VACCINATION_LAB_TITER_IMMUNITY_GERMAN

KBV_CM_MIO_Vaccination_Lab_Titer_Immunity_German

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Lab_Titer_Immunity_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Lab_Titer_Immunity_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für die
   Erreichung der Immunität einer Titeruntersuchung mit deutschen Bezeichnern"
   />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
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   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German" />
13         <element>
14             <code value="191441008:704321009=10828004" />
15             <display value="Acquired immunity, function : Characterizes =
   Positive" />
16             <target>
17                 <code value="Positiv" />
18                 <display value="Immunität erreicht" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="191441008:704321009=260385009" />
24             <display value="Acquired immunity, function : Characterizes =
   Negative" />
25             <target>
26                 <code value="Negativ" />
27                 <display value="Immunität nicht erreicht" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31     </group>
32  </ConceptMap>
```

20. KBV_CM_MIO_VACCINATION_PRACTITIONER_FUNCTION

KBV_CM_MIO_Vaccination_Practitioner_Function

```xml
<ConceptMap xmlns="http://hl7.org/fhir">
    <url value="https://fhir.kbv.de/ConceptMap/
KBV_CM_MIO_Vaccination_Practitioner_Function" />
    <version value="1.00.000" />
    <name value="KBV_CM_MIO_Vaccination_Practitioner_Function" />
    <status value="active" />
    <experimental value="false" />
    <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
    <description value="Diese Conceptmap verknüpft die Codes für die
Funktionsbezeichnung eines Behandelnden mit deutschen Bezeichnern" />
    <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
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appropriate SNOMED CT Affiliate license." />
    <group>
        <source value="http://snomed.info/sct" />
        <target value="https://fhir.kbv.de/CodeSystem/
KBV_CS_MIO_Vaccination_Practitioner_Function" />
        <element>
            <code value="112247003" />
            <display value="Medical doctor (occupation)" />
            <target>
                <code value="arzt-aerztin" />
                <display value="Arzt/ Ärztin" />
                <equivalence value="equivalent" />
            </target>
        </element>
    </group>
</ConceptMap>
```

21. KBV_CM_MIO_VACCINATION_PRIOR_DISEASE_GERMAN

KBV_CM_MIO_Vaccination_Prior_Disease_German

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Prior_Disease_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Prior_Disease_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für die
   durchgemachten Infektionskrankheiten mit deutschen Bezeichnern" />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
   Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Prior_Disease_German" />
13         <element>
14             <code value="40733004" />
15             <display value="Infectious disease (disorder)" />
16             <target>
17                 <code value="Nicht-aufgefuehrt-unspezifiziert" />
18                 <display value="Nicht aufgeführt (unspezifiziert)" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="27836007" />
24             <display value="Pertussis (disorder)" />
25             <target>
26                 <code value="Pertussis/Keuchhusten" />
27                 <display value="Pertussis/Keuchhusten" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31         <element>
32             <code value="16541001" />
33             <display value="Yellow fever (disorder)" />
34             <target>
35                 <code value="Gelbfieber" />
36                 <display value="Gelbfieber" />
37                 <equivalence value="equivalent" />
38             </target>
39         </element>
40         <element>
41             <code value="16901001" />
42             <display value="Central European encephalitis (disorder)" />
43             <target>
44                 <code value="FSME-Fruehsommer-Meningoenzephalitis" />
45                 <display value="FSME [Frühsommer Meningoenzephalitis]" />
```

```
46            <equivalence value="equivalent" />
47        </target>
48    </element>
49    <element>
50        <code value="76795007" />
51        <display value="Acute type B viral hepatitis (disorder)" />
52        <target>
53            <code value="Hepatitis-B" />
54            <display value="Hepatitis B" />
55            <equivalence value="wider" />
56        </target>
57    </element>
58    <element>
59        <code value="235869004" />
60        <display value="Chronic viral hepatitis B with hepatitis D
      (disorder)" />
61        <target>
62            <code value="Hepatitis-B" />
63            <display value="Hepatitis B" />
64            <equivalence value="wider" />
65        </target>
66    </element>
67    <element>
68        <code value="186639003" />
69        <display value="Chronic viral hepatitis B without delta-agent
      (disorder)" />
70        <target>
71            <code value="Hepatitis-B" />
72            <display value="Hepatitis B" />
73            <equivalence value="wider" />
74        </target>
75    </element>
76    <element>
77        <code value="25102003" />
78        <display value="Acute type A viral hepatitis (disorder)" />
79        <target>
80            <code value="Hepatitis-A" />
81            <display value="Hepatitis A" />
82            <equivalence value="equivalent" />
83        </target>
84    </element>
85    <element>
86        <code value="36653000" />
87        <display value="Rubella (disorder)" />
88        <target>
89            <code value="Roeteln" />
90            <display value="Röteln" />
91            <equivalence value="equivalent" />
92        </target>
93    </element>
94    <element>
95        <code value="36989005" />
96        <display value="Mumps (disorder)" />
97        <target>
98            <code value="Mumps" />
99            <display value="Mumps" />
100           <equivalence value="equivalent" />
101       </target>
102   </element>
103   <element>
```

```xml
104                    <code value="14189004" />
105                    <display value="Measles (disorder)" />
106                    <target>
107                        <code value="Masern" />
108                        <display value="Masern" />
109                        <equivalence value="equivalent" />
110                    </target>
111                </element>
112                <element>
113                    <code value="38907003" />
114                    <display value="Varicella (disorder)" />
115                    <target>
116                        <code value="Varizellen-Windpocken" />
117                        <display value="Varizellen/Windpocken" />
118                        <equivalence value="equivalent" />
119                    </target>
120                </element>
121            </group>
122    </ConceptMap>
```

22. KBV_CM_MIO_VACCINATION_PRIOR_DISEASE_SNOMED_ICD

KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD

```xml
<ConceptMap xmlns="http://hl7.org/fhir">
    <url value="https://fhir.kbv.de/ConceptMap/
KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD" />
    <version value="1.00.000" />
    <name value="KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD" />
    <status value="active" />
    <experimental value="false" />
    <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
    <description value="Diese Conceptmap verknüpft die Codes für
impfrelevante durchgemachte Krankheiten in den Codesystemen Snomed CT und
ICD" />
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appropriate SNOMED CT Affiliate license." />
    <group>
        <source value="http://snomed.info/sct" />
        <target value="http://fhir.de/CodeSystem/dimdi/icd-10-gm" />
        <element>
            <code value="27836007" />
            <display value="Pertussis (disorder)" />
            <target>
                <code value="A37.-" />
                <display value="Keuchhusten" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="16541001" />
            <display value="Yellow fever (disorder)" />
            <target>
                <code value="A95.-" />
                <display value="Gelbfieber" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="16901001" />
            <display value="Central European encephalitis (disorder)" />
            <target>
                <code value="A84.1" />
                <display value="Mitteleuropäische Enzephalitis, durch
Zecken übertragen" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="76795007" />
            <display value="Acute type B viral hepatitis (disorder)" />
            <target>
                <code value="B16.-" />
```

```
45                    <display value="Akute Virushepatitis B" />
46                    <equivalence value="equivalent" />
47                </target>
48            </element>
49            <element>
50                <code value="235869004" />
51                <display value="Chronic viral hepatitis B with hepatitis D
        (disorder)" />
52                <target>
53                    <code value="B18.0" />
54                    <display value="Chronische Virushepatitis B mit Delta-
        Virus" />
55                    <equivalence value="equivalent" />
56                </target>
57            </element>
58            <element>
59                <code value="186639003" />
60                <display value="Chronic viral hepatitis B without delta-agent
        (disorder)" />
61                <target>
62                    <code value="B18.1-" />
63                    <display value="Chronische Virushepatitis B ohne Delta-
        Virus" />
64                    <equivalence value="equivalent" />
65                </target>
66            </element>
67            <element>
68                <code value="25102003" />
69                <display value="Acute type A viral hepatitis (disorder)" />
70                <target>
71                    <code value="B15.-" />
72                    <display value="Akute Virushepatitis A" />
73                    <equivalence value="equivalent" />
74                </target>
75            </element>
76            <element>
77                <code value="36653000" />
78                <display value="Rubella (disorder)" />
79                <target>
80                    <code value="B06.-" />
81                    <display value="Röteln [Rubeola] [Rubella]" />
82                    <equivalence value="equivalent" />
83                </target>
84            </element>
85            <element>
86                <code value="36989005" />
87                <display value="Mumps (disorder)" />
88                <target>
89                    <code value="B26.-" />
90                    <display value="Mumps" />
91                    <equivalence value="equivalent" />
92                </target>
93            </element>
94            <element>
95                <code value="14189004" />
96                <display value="Measles (disorder)" />
97                <target>
98                    <code value="B05.-" />
99                    <display value="Masern" />
100                    <equivalence value="equivalent" />
```

```xml
            </target>
        </element>
        <element>
            <code value="38907003" />
            <display value="Varicella (disorder)" />
            <target>
                <code value="B01.-" />
                <display value="Varizellen [Windpocken]" />
                <equivalence value="equivalent" />
            </target>
        </element>
    </group>
</ConceptMap>
```

23. KBV_CM_MIO_VACCINATION_SOURCE_OF_INFORMATION_GERMAN

KBV_CM_MIO_Vaccination_Source_of_Information_German

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Source_of_Information_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Source_of_Information_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für die Quelle
   der Information mit deutschen Bezeichnern" />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
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10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Source_of_Information_German" />
13         <element>
14             <code value="261665006" />
15             <display value="Unknown (qualifier value)" />
16             <target>
17                 <code value="Unbekannt" />
18                 <display value="Unbekannt" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="394863008" />
24             <display value="Non-family member (person)" />
25             <target>
26                 <code value="Sonstige-Person" />
27                 <display value="Sonstige Person" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31         <element>
32             <code value="125677006" />
33             <display value="Relative (person)" />
34             <target>
35                 <code value="Angehoeriger" />
36                 <display value="Angehöriger" />
37                 <equivalence value="equivalent" />
38             </target>
39         </element>
40         <element>
41             <code value="158965000" />
42             <display value="Medical practitioner (occupation)" />
43             <target>
44                 <code value="Arzt-Aerztin" />
45                 <display value="Arzt/ Ärztin" />
```

```
46                    <equivalence value="equivalent" />
47                </target>
48            </element>
49            <element>
50                <code value="116154003" />
51                <display value="Patient (person)" />
52                <target>
53                    <code value="Patient" />
54                    <display value="Patient" />
55                    <equivalence value="equivalent" />
56                </target>
57            </element>
58        </group>
59    </ConceptMap>
```

24. KBV_CM_MIO_VACCINATION_VACCINE_ATC_SNOMED

KBV_CM_MIO_Vaccination_Vaccine_ATC_Snomed

```xml
1   <ConceptMap xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ConceptMap/
    KBV_CM_MIO_Vaccination_Vaccine_ATC_Snomed" />
3       <version value="1.00.000" />
4       <name value="KBV_CM_MIO_Vaccination_Vaccine_ATC_Snomed" />
5       <status value="active" />
6       <experimental value="false" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <description value="Diese Conceptmap verknüpft Snomed CT Impfstoffcodes
    mit den entsprechenden ATC Codes" />
9       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
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    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
10      <group>
11          <source value="http://snomed.info/sct" />
12          <target value="http://fhir.de/CodeSystem/dimdi/atc" />
13          <element>
14              <code value="90043005" />
15              <display value="Mumps live virus vaccine" />
16              <target>
17                  <code value="J07BE" />
18                  <display value="Mumps-Impfstoffe" />
19                  <equivalence value="equivalent" />
20              </target>
21          </element>
22          <element>
23              <code value="116077000" />
24              <display value="Rotavirus vaccine (product)" />
25              <target>
26                  <code value="J07BH" />
27                  <display value="Rotavirus-Diarrhoe-Impfstoffe" />
28                  <equivalence value="equivalent" />
29              </target>
30          </element>
31          <element>
32              <code value="407737004" />
33              <display value="Varicella-zoster vaccine (product)" />
34              <target>
35                  <code value="J07BK01" />
36                  <display value="Varicella, lebend abgeschwächt" />
37                  <equivalence value="equivalent" />
38              </target>
39              <target>
40                  <code value="J07BK03" />
41                  <display value="Zoster Virus, gereinigtes Antigen" />
42                  <equivalence value="equivalent" />
43              </target>
44          </element>
45          <element>
46              <code value="333606008" />
```

```xml
                    <display value="Rabies vaccine (product)" />
                    <target>
                        <code value="J07BG" />
                        <display value="Tollwut-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="111164008" />
                    <display value="Poliovirus vaccine (product)" />
                    <target>
                        <code value="J07BF" />
                        <display value="Poliomyelitis-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="333699008" />
                    <display value="Tick-borne encephalitis vaccine (product)" />
                    <target>
                        <code value="J07BA01" />
                        <display value="FSME, inaktiviert, ganzes Virus" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="333697005" />
                    <display value="Japanese B encephalitis vaccine" />
                    <target>
                        <code value="J07BA02" />
                        <display value="Encephalitis, japanische, inaktiviert,
ganzes Virus" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="787859002:127489000=428126001,412374001,396433007,
412375000,396424005,768365004,768366003" />
                    <display value="Vaccine product (product): Has active
ingredient (attribute) = Diphtheria vaccine (substance), Haemophilus
influenzae type b vaccine (substance), Pertussis vaccine (substance),
Tetanus vaccine (substance), Hepatitis B virus vaccine (substance),
Meningococcus group A vaccine (substance), Meningococcus group C vaccine
(substance)" />
                    <target>
                        <code value="J07CA13" />
                        <display value="Diphtherie-Haemophilus influenzae B-
Pertussis-Tetanus-Hepatitis B-Meningokokken A + C" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="427542001" />
                    <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
                    <target>
                        <code value="J07CA12" />
                        <display value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
Hepatitis B" />
                        <equivalence value="equivalent" />
```

```
 97                </target>
 98            </element>
 99            <element>
100                <code value="787859002:{127489000=428126001}
       {127489000=412374001}{127489000=396433007}{127489000=412375000}
       {127489000=396424005}" />
101                <display value="Vaccine product (product): { Has active
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) } { Has active ingredient (attribute) = Pertussis vaccine
       (substance) } { Has active ingredient (attribute) = Tetanus vaccine
       (substance) } { Has active ingredient (attribute) =  Hepatitis B virus
       vaccine (substance) }" />
102                <target>
103                    <code value="J07CA11" />
104                    <display value="Diphtherie-Haemophilus influenzae B-
       Pertussis-Tetanus-Hepatitis B" />
105                    <equivalence value="equivalent" />
106                </target>
107            </element>
108            <element>
109                <code value="333707007" />
110                <display value="Hepatitis A+typhoid vaccine (product)" />
111                <target>
112                    <code value="J07CA10" />
113                    <display value="Typhus-Hepatitis A" />
114                    <equivalence value="equivalent" />
115                </target>
116            </element>
117            <element>
118                <code value="426842004" />
119                <display value="Diphtheria + tetanus + pertussis +
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
120                <target>
121                    <code value="J07CA09" />
122                    <display value="Diphtherie-Haemophilus influenzae B-
       Pertussis-Poliomyelitis-Tetanus-Hepatitis B" />
123                    <equivalence value="equivalent" />
124                </target>
125            </element>
126            <element>
127                <code value="426971004" />
128                <display value="Haemophilus influenzae Type b + recombinant
       hepatitis B virus vaccine (product)" />
129                <target>
130                    <code value="J07CA08" />
131                    <display value="Haemophilus influenzae B und Hepatitis B" /
       >
132                    <equivalence value="equivalent" />
133                </target>
134            </element>
135            <element>
136                <code value="787859002:{127489000=428126001}
       {127489000=396424005}{127489000=412375000}" />
137                <display value="Vaccine product (product): { Has active
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
       active ingredient (attribute) = Tetanus vaccine (substance) }" />
138                <target>
```

```xml
                    <code value="J07CA07" />
                    <display value="Diphtherie-Hepatitis B-Tetanus" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="414004005" />
                <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + haemophilus influenzae b vaccine (product)" />
                <target>
                    <code value="J07CA06" />
                    <display value="Diphtherie-Haemophilus influenzae B-
Pertussis-Poliomyelitis-Tetanus" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="426081003" />
                <display value="Diphtheria + tetanus + pertussis + recombinant
hepatitis B virus vaccine (product)" />
                <target>
                    <code value="J07CA05" />
                    <display value="Diphtherie-Hepatitis B-Pertussis-Tetanus" /
>
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="71181003:127489000=412374001,396436004" />
                <display value="Product containing vaccine (product):Has active
ingredient (attribute)=Haemophilus influenzae type b vaccine
(substance),Live Poliovirus vaccine (substance)" />
                <target>
                    <code value="J07CA04" />
                    <display value="Haemophilus influenzae B und
Poliomyelitis" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="787859002:{127489000=428126001}
{127489000=396438003}{127489000=412375000}" />
                <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) } { Has active
ingredient (attribute) = Tetanus vaccine (substance) }" />
                <target>
                    <code value="J07CA03" />
                    <display value="Diphtherie-Röteln-Tetanus" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="414005006" />
                <display value="Diphtheria + tetanus + pertussis +
poliomyelitis vaccine (product)" />
                <target>
                    <code value="J07CA02" />
                    <display value="Diphtherie-Pertussis-Poliomyelitis-
Tetanus" />
```

```
186                <equivalence value="equivalent" />
187            </target>
188        </element>
189        <element>
190            <code value="414006007" />
191            <display value="Diphtheria + tetanus + poliomyelitis vaccine
      (product)" />
192            <target>
193                <code value="J07CA01" />
194                <display value="Diphtherie-Poliomyelitis-Tetanus" />
195                <equivalence value="equivalent" />
196            </target>
197        </element>
198        <element>
199            <code value="419550004" />
200            <display value="Measles + mumps + rubella + varicella vaccine
      (product)" />
201            <target>
202                <code value="J07BD54" />
203                <display value="Masern, Kombinationen mit Mumps, Röteln und
      Varicella,  lebend abgeschwächt" />
204                <equivalence value="equivalent" />
205            </target>
206        </element>
207        <element>
208            <code value="787859002:{127489000=396427003}
      {127489000=396438003}" />
209            <display value="Vaccine product (product):  { Has active
      ingredient (attribute) = Measles vaccine (substance) } { Has active
      ingredient (attribute) = Rubella vaccine (substance) }" />
210            <target>
211                <code value="J07BD53" />
212                <display value="Masern, Kombinationen mit Röteln, lebend
      abgeschwächt" />
213                <equivalence value="equivalent" />
214            </target>
215        </element>
216        <element>
217            <code value="61153008" />
218            <display value="Measles, mumps and rubella vaccine (product)" /
      >
219            <target>
220                <code value="J07BD52" />
221                <display value="Masern, Kombinationen mit Mumps und Röteln,
      lebend abgeschwächt" />
222                <equivalence value="equivalent" />
223            </target>
224        </element>
225        <element>
226            <code value="785865001" />
227            <display value="Measles and mumps vaccine (product)" />
228            <target>
229                <code value="J07BD51" />
230                <display value="Masern, Kombinationen mit Mumps, lebend
      abgeschwächt" />
231                <equivalence value="equivalent" />
232            </target>
233        </element>
234        <element>
235            <code value="333702001" />
```

```xml
                    <display value="Hepatitis A+B vaccine (product)" />
                <target>
                    <code value="J07BC20" />
                    <display value="Kombinationen" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="350327004" />
                <display value="Diphtheria + tetanus vaccine (product)" />
                <target>
                    <code value="J07AM51" />
                    <display value="Tetanus-Toxoid, Kombinationen mit
Diphtherie-Toxoid" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="71181003:127489000=398730001,412374001" />
                <display value="Product containing vaccine (product):Has active
ingredient (attribute)=Pneumococcal vaccine (substance), Haemophilus
influenzae type b vaccine (substance)" />
                <target>
                    <code value="J07AL52" />
                    <display value="Pneumokokken, gereinigtes Polysaccharid-
Antigen  und Haemophilus influenzae B, konjugiert" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="423912009" />
                <display value="Haemophilus influenzae type b + Meningococcal
group C vaccine (product)" />
                <target>
                    <code value="J07AG53" />
                    <display value="Haemophilus influenzae B, Kombinationen mit
Meningokokken C, konjugiert" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="71181003:127489000=412374001,396433007,396411005"
/>
                <display value="Product containing vaccine (product):Has active
ingredient (attribute)=Haemophilus influenzae type b vaccine
(substance),Pertussis vaccine (substance),Toxoid (substance)" />
                <target>
                    <code value="J07AG52" />
                    <display value="Haemophilus influenzae B, Kombinationen mit
Pertussis und Toxoiden" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="71181003:127489000=396422009,398777006" />
                <display value="Product containing vaccine (product):Has active
ingredient (attribute)=Cholera vaccine (substance),Typhus vaccine
(substance)" />
                <target>
                    <code value="J07AE51" />
```

```xml
                    <display value="Cholera, Kombinationen mit Typhus-
Impfstoff,  inaktiviert, ganze Zelle" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="33234009" />
                <display value="Smallpox vaccine (product)" />
                <target>
                    <code value="J07BX01" />
                    <display value="Pocken-Impfstoff, lebend, modifiziert" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="424519000" />
                <display value="Human papillomavirus vaccine (product)" />
                <target>
                    <code value="J07BM" />
                    <display value="Papillomvirus-Impfstoffe" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="56844000" />
                <display value="Yellow fever vaccine (product)" />
                <target>
                    <code value="J07BL" />
                    <display value="Gelbfieber-Impfstoffe" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="386013003" />
                <display value="Rubella vaccine (product)" />
                <target>
                    <code value="J07BJ" />
                    <display value="Röteln-Impfstoffe" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="386012008" />
                <display value="Measles vaccine (product)" />
                <target>
                    <code value="J07BD" />
                    <display value="Masern-Impfstoffe" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="14745005" />
                <display value="Hepatitis A virus vaccine (product)" />
                <target>
                    <code value="J07BC02" />
                    <display value="Hepatitis A, inaktiviert, ganzes Virus" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
```

```
343                    <code value="34689006" />
344                    <display value="Hepatitis B virus vaccine (product)" />
345                    <target>
346                        <code value="J07BC01" />
347                        <display value="Hepatitis B, gereinigtes Antigen" />
348                        <equivalence value="equivalent" />
349                    </target>
350                </element>
351                <element>
352                    <code value="46233009" />
353                    <display value="Influenza virus vaccine (product)" />
354                    <target>
355                        <code value="J07BB" />
356                        <display value="Influenza-Impfstoffe" />
357                        <equivalence value="equivalent" />
358                    </target>
359                </element>
360                <element>
361                    <code value="89428009" />
362                    <display value="Typhoid vaccine (product)" />
363                    <target>
364                        <code value="J07AP" />
365                        <display value="Typhus-Impfstoffe" />
366                        <equivalence value="equivalent" />
367                    </target>
368                </element>
369                <element>
370                    <code value="420538001" />
371                    <display value="Tuberculosos vaccine (product)" />
372                    <target>
373                        <code value="J07AN" />
374                        <display value="Tuberkulose-Impfstoffe" />
375                        <equivalence value="equivalent" />
376                    </target>
377                </element>
378                <element>
379                    <code value="333621002" />
380                    <display value="Tetanus vaccine (product)" />
381                    <target>
382                        <code value="J07AM" />
383                        <display value="Tetanus-Impfstoffe" />
384                        <equivalence value="equivalent" />
385                    </target>
386                </element>
387                <element>
388                    <code value="333598008" />
389                    <display value="Pneumococcal vaccine (product)" />
390                    <target>
391                        <code value="J07AL" />
392                        <display value="Pneumokokken-Impfstoffe" />
393                        <equivalence value="equivalent" />
394                    </target>
395                </element>
396                <element>
397                    <code value="11866009" />
398                    <display value="Plague vaccine (product)" />
399                    <target>
400                        <code value="J07AK" />
401                        <display value="Pest-Impfstoffe" />
402                        <equivalence value="equivalent" />
```

```xml
                    </target>
                </element>
                <element>
                    <code value="61602008" />
                    <display value="Pertussis vaccine (product)" />
                    <target>
                        <code value="J07AJ" />
                        <display value="Pertussis-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="421245007" />
                    <display value="Diphtheria + pertussis + tetanus vaccine
        (product)" />
                    <target>
                        <code value="J07AJ52" />
                        <display value="Pertussis, gereinigtes Antigen,
        Kombinationen mit Toxoiden" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="423531006" />
                    <display value="Meningococcus vaccine (product)" />
                    <target>
                        <code value="J07AH" />
                        <display value="Meningokokken-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="333680004" />
                    <display value="Haemophilus influenzae Type b vaccine
        (product)" />
                    <target>
                        <code value="J07AG" />
                        <display value="Haemophilus influenzae B-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="428214002" />
                    <display value="Diphtheria vaccine (product)" />
                    <target>
                        <code value="J07AF" />
                        <display value="Diphtherie-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="35736007" />
                    <display value="Cholera vaccine (product)" />
                    <target>
                        <code value="J07AE" />
                        <display value="Cholera-Impfstoffe" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
```

```xml
            <code value="7230005" />
            <display value="Brucella vaccine (product)" />
            <target>
                <code value="J07AD" />
                <display value="Brucellose-Impfstoffe" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="333521006" />
            <display value="Anthrax vaccine (product)" />
            <target>
                <code value="J07AC" />
                <display value="Milzbrand-Impfstoffe" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="714569001" />
            <display value="Product containing normal immunoglobulin human
(medicinal product)" />
            <target>
                <code value="J06BA" />
                <display value="Immunglobuline, normal human" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="786224004" />
            <display value="Product containing human anti-D immunoglobulin
(medicinal product)|" />
            <target>
                <code value="J06BB01" />
                <display value="Anti-D(rh)-Immunglobulin" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="384706007" />
            <display value="Product containing tetanus antitoxin (medicinal
product)" />
            <target>
                <code value="J06BB02" />
                <display value="Tetanus-Immunglobulin" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="62294009" />
            <display value="Product containing Varicella-zoster virus
antibody (medicinal product)" />
            <target>
                <code value="J06BB03" />
                <display value="Varicella/Zoster-Immunglobulin" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="9542007" />
```

```xml
                    <display value="Product containing Hepatitis B surface antigen
immunoglobulin (medicinal product)" />
                <target>
                    <code value="J06BB04" />
                    <display value="Hepatitis-B-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="80834004" />
                <display value="Product containing rabies human immune globulin
(medicinal product)" />
                <target>
                    <code value="J06BB05" />
                    <display value="Tollwut-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="9778000" />
                <display value="Product containing Cytomegalovirus antibody
(medicinal product)" />
                <target>
                    <code value="J06BB09" />
                    <display value="Cytomegalievirus-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="108725001" />
                <display value="Product containing palivizumab (medicinal
product)" />
                <target>
                    <code value="J06BB16" />
                    <display value="Palivizumab" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="763703008" />
                <display value="Product containing bezlotoxumab (medicinal
product)" />
                <target>
                    <code value="J06BB21" />
                    <display value="Bezlotoxumab" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="787859002:127489000=412300006" />
                <display value="Vaccine product (product): Has active
ingredient (attribute) = Rubella and mumps vaccine (substance)" />
                <target>
                    <code value="J07BJ51" />
                    <display value="Röteln, Kombinationen mit Mumps, lebend
abgeschwächt" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
```

```xml
                    <code value="37146000" />
                    <display value="Typhus vaccine (product)" />
                    <target>
                        <code value="J07AR" />
                        <display value="Typhus (exanthematicus)-Impfstoff" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="407746005" />
                    <display value="Varicella-zoster live attenuated vaccine
(product)" />
                    <target>
                        <code value="J07BK02" />
                        <display value="Zoster Virus, lebend abgeschwächt" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
        </group>
    </ConceptMap>
```

25. KBV_CM_MIO_VACCINATION_VACCINE_GERMAN

KBV_CM_MIO_Vaccination_Vaccine_German

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Vaccine_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Vaccine_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft Snomed CT Impfstoffcodes
   mit deutschen Bezeichnungen." />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
   Terms® (SNOMED CT®) which is used by permission of SNOMED International.
   All rights reserved. SNOMED CT®, was originally created by The College of
   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Vaccine_German" />
13         <element>
14             <code value="787859002" />
15             <display value="Vaccine product (product)" />
16             <target>
17                 <code value="Impfstoffe" />
18                 <display value="Impfstoffe (unspezifiziert)" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="37146000" />
24             <display value="Typhus vaccine (product)" />
25             <target>
26                 <code value="Typhus-exanthematicus-Impfstoff" />
27                 <display value="Typhus (exanthematicus)-Impfstoff" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31         <element>
32             <code value="407746005" />
33             <display value="Varicella-zoster live attenuated vaccine
   (product)" />
34             <target>
35                 <code value="Varizellen-Impfstoff" />
36                 <display value="Varizellen-Impfstoff" />
37                 <equivalence value="equivalent" />
38             </target>
39             <target>
40                 <code value="Herpes-Zoster-Lebendimpfstoff" />
41                 <display value="Herpes Zoster-Lebendimpfstoff" />
42                 <equivalence value="equivalent" />
43             </target>
44         </element>
```

```
45          <element>
46              <code value="787859002:127489000=412300006" />
47              <display value="Vaccine product (product): Has active
    ingredient (attribute) = Rubella and mumps vaccine (substance)" />
48              <target>
49                  <code value="Roeteln-Mumps-Impfstoff" />
50                  <display value="Röteln, Mumps-Impfstoff" />
51                  <equivalence value="equivalent" />
52              </target>
53          </element>
54          <element>
55              <code value="787859002:{127489000=428126001}
    {127489000=412374001}{127489000=396433007}{127489000=412375000}
    {127489000=396424005}{127489000=768365004}{127489000=768366003}" />
56              <display value="Vaccine product (product): { Has active
    ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
    ingredient (attribute) =  Haemophilus influenzae type b vaccine
    (substance) } { Has active ingredient (attribute) = Pertussis vaccine
    (substance) } { Has active ingredient (attribute) = Tetanus vaccine
    (substance) } { Has active ingredient (attribute) = Hepatitis B virus
    vaccine (substance) } { Has active ingredient (attribute) = Meningococcus
    group A vaccine (substance) } { Has active ingredient (attribute) =
    Meningococcus group C vaccine (substance) }" />
57              <target>
58                  <code value="DiphtherieHaemophilus influenzae B-Pertussis-
    Tetanus-Hepatitis B-Meningokokken A + C-Impfstoff" />
59                  <display value="Diphtherie, Haemophilus influenzae B,
    Pertussis, Tetanus, Hepatitis B, Meningokokken A + C-Impfstoff" />
60                  <equivalence value="equivalent" />
61              </target>
62          </element>
63          <element>
64              <code value="427542001" />
65              <display value="Diphtheria + tetanus + pertussis +
    poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
66              <target>
67                  <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
    Hepatitis-B-Impfstoff" />
68                  <display value="Diphtherie-Pertussis, Poliomyelitis,
    Tetanus, Hepatitis B-Impfstoff" />
69                  <equivalence value="equivalent" />
70              </target>
71          </element>
72          <element>
73              <code value="787859002:{127489000=428126001}
    {127489000=412374001}{127489000=396433007}{127489000=412375000}
    {127489000=396424005}" />
74              <display value="Vaccine product (product): { Has active
    ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
    ingredient (attribute) = Haemophilus influenzae type b vaccine
    (substance) } { Has active ingredient (attribute) = Pertussis vaccine
    (substance) } { Has active ingredient (attribute) = Tetanus vaccine
    (substance) } { Has active ingredient (attribute) =  Hepatitis B virus
    vaccine (substance) }" />
75              <target>
76                  <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
    Tetanus-Hepatitis-B-Impfstoff" />
77                  <display value="Diphtherie-Haemophilus influenzae B,
    Pertussis, Tetanus, Hepatitis B-Impfstoff" />
78                  <equivalence value="equivalent" />
```

```xml
            </target>
        </element>
        <element>
            <code value="333707007" />
            <display value="Hepatitis A+typhoid vaccine (product)" />
            <target>
                <code value="Typhus-Hepatitis-A-Impfstoff" />
                <display value="Typhus-Hepatitis A-Impfstoff" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="426842004" />
            <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
influenzae type B vaccine (product)" />
            <target>
                <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
Poliomyelitis-Tetanus-Hepatitis-B-Impfstoff" />
                <display value="Diphtherie-Haemophilus influenzae B-
Pertussis, Poliomyelitis, Tetanus, Hepatitis B-Impfstoff" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="426971004" />
            <display value="Haemophilus influenzae Type b + recombinant
hepatitis B virus vaccine (product)" />
            <target>
                <code value="Haemophilus-influenzae-B-Hepatitis-B-
Impfstoff" />
                <display value="Haemophilus influenzae B, Hepatitis B-
Impfstoff" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="787859002:{127489000=428126001}
{127489000=396424005}{127489000=412375000}" />
            <display value="Vaccine product (product): { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
active ingredient (attribute) = Tetanus vaccine (substance) }" />
            <target>
                <code value="Diphtherie-Hepatitis-B-Tetanus-Impfstoff" />
                <display value="Diphtherie, Hepatitis B, Tetanus-
Impfstoff" />
                <equivalence value="equivalent" />
            </target>
        </element>
        <element>
            <code value="414004005" />
            <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + haemophilus influenzae b vaccine (product)" />
            <target>
                <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
Poliomyelitis-Tetanus-Impfstoff" />
                <display value="Diphtherie-Haemophilus influenzae B,
Pertussis, Poliomyelitis, Tetanus-Impfstoff" />
                <equivalence value="equivalent" />
```

```xml
                    </target>
                </element>
                <element>
                    <code value="426081003" />
                    <display value="Diphtheria + tetanus + pertussis + recombinant
hepatitis B virus vaccine (product)" />
                    <target>
                        <code value="Diphtherie-Hepatitis-B-Pertussis-Tetanus-
Impfstoff" />
                        <display value="Diphtherie, Hepatitis B, Pertussis,
Tetanus-Impfstoff" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="787859002:{127489000=412374001}
{127489000=396436004}" />
                    <display value="Vaccine product (product): { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
(substance) }" />
                    <target>
                        <code value="Haemophilus-influenzae-B-Poliomyelitis-
Impfstoff" />
                        <display value="Haemophilus influenzae B, Poliomyelitis-
Impfstoff" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="787859002:{127489000=428126001}
{127489000=396438003}{127489000=412375000}" />
                    <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) } { Has active
ingredient (attribute) = Tetanus vaccine (substance) }" />
                    <target>
                        <code value="Diphtherie-Roeteln-Tetanus-Impfstoff" />
                        <display value="Diphtherie, Röteln, Tetanus-Impfstoff" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="414005006" />
                    <display value="Diphtheria + tetanus + pertussis +
poliomyelitis vaccine (product)" />
                    <target>
                        <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
Impfstoff" />
                        <display value="Diphtherie, Pertussis, Poliomyelitis,
Tetanus- Impfstoff" />
                        <equivalence value="equivalent" />
                    </target>
                </element>
                <element>
                    <code value="414006007" />
                    <display value="Diphtheria + tetanus + poliomyelitis vaccine
(product)" />
                    <target>
                        <code value="Diphtherie-Poliomyelitis-Tetanus-Impfstoff" />
```

```xml
167                     <display value="Diphtherie, Poliomyelitis, Tetanus-
        Impfstoff" />
168                     <equivalence value="equivalent" />
169                 </target>
170             </element>
171             <element>
172                 <code value="419550004" />
173                 <display value="Measles + mumps + rubella + varicella vaccine
        (product)" />
174                 <target>
175                     <code value="Masern-Mumps-Roeteln-Varicella-Impfstoff" />
176                     <display value="Masern, Mumps, Röteln, Varicella-
        Impfstoff" />
177                     <equivalence value="equivalent" />
178                 </target>
179             </element>
180             <element>
181                 <code value="787859002:{127489000=396427003}
        {127489000=396438003}" />
182                 <display value="Vaccine product (product):  { Has active
        ingredient (attribute) = Measles vaccine (substance) } { Has active
        ingredient (attribute) = Rubella vaccine (substance) }" />
183                 <target>
184                     <code value="Masern-Roeteln-Impfstoff" />
185                     <display value="Masern, Röteln-Impfstoff" />
186                     <equivalence value="equivalent" />
187                 </target>
188             </element>
189             <element>
190                 <code value="61153008" />
191                 <display value="Measles, mumps and rubella vaccine (product)" /
        >
192                 <target>
193                     <code value="Masern-Mumps-Roeteln-Impfstoff" />
194                     <display value="Masern, Mumps, Röteln (MMR) - Impfstoff" />
195                     <equivalence value="equivalent" />
196                 </target>
197             </element>
198             <element>
199                 <code value="785865001" />
200                 <display value="Measles and mumps vaccine (product)" />
201                 <target>
202                     <code value="Masern-Mumps-Impfstoff" />
203                     <display value="Masern, Mumps-Impfstoff" />
204                     <equivalence value="equivalent" />
205                 </target>
206             </element>
207             <element>
208                 <code value="333702001" />
209                 <display value="Hepatitis A+B vaccine (product)" />
210                 <target>
211                     <code value="Hepatitis-A-und-B-Impfstoff" />
212                     <display value="Hepatitis A und B-Impfstoff" />
213                     <equivalence value="equivalent" />
214                 </target>
215             </element>
216             <element>
217                 <code value="350327004" />
218                 <display value="Diphtheria + tetanus vaccine (product)" />
219                 <target>
```

```
220          <code value="Tetanus-Diphtherie-Impfstoff" />
221          <display value="Tetanus, Diphtherie-Impfstoff" />
222          <equivalence value="equivalent" />
223        </target>
224      </element>
225      <element>
226        <code value="78785900:{127489000=398730001}
     {127489000=412374001}" />
227        <display value="Vaccine product (product): { Has active
     ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
     ingredient (attribute) = Haemophilus influenzae type b vaccine
     (substance) }" />
228        <target>
229          <code value="Pneumokokken-Haemophilus-influenzae-B-
     Impfstoff" />
230          <display value="Pneumokokken, Haemophilus influenzae B-
     Impfstoff" />
231          <equivalence value="equivalent" />
232        </target>
233      </element>
234      <element>
235        <code value="423912009" />
236        <display value="Haemophilus influenzae type b + Meningococcal
     group C vaccine (product)" />
237        <target>
238          <code value="Haemophilus-influenzae-B-Meningokokken-C-
     Impfstoff" />
239          <display value="Haemophilus influenzae B, Meningokokken C-
     Impfstoff" />
240          <equivalence value="equivalent" />
241        </target>
242      </element>
243      <element>
244        <code value="787859002:{127489000=412374001}
     {127489000=396433007}{127489000=396411005}" />
245        <display value="Vaccine product (product):  { Has active
     ingredient (attribute) = Haemophilus influenzae type b vaccine
     (substance) } { Has active ingredient (attribute) = Pertussis vaccine
     (substance) } { Has active ingredient (attribute) = Toxoid (substance) }" /
     >
246        <target>
247          <code value="Haemophilus-influenzae-B-Pertussis-
     Impfstoff" />
248          <display value="Haemophilus influenzae B, Pertussis-
     Impfstoff" />
249          <equivalence value="equivalent" />
250        </target>
251      </element>
252      <element>
253        <code value="787859002:{127489000=396422009}
     {127489000=396441007}" />
254        <display value="Vaccine product (product): { Has active
     ingredient (attribute) = Cholera vaccine (substance) } { Has active
     ingredient (attribute) = Typhoid vaccine (substance) }" />
255        <target>
256          <code value="Cholera-Typhus-Impfstoff" />
257          <display value="Cholera, Typhus-Impfstoff" />
258          <equivalence value="equivalent" />
259        </target>
260      </element>
```

```xml
261            <element>
262                <code value="333697005" />
263                <display value="Japanese B encephalitis vaccine" />
264                <target>
265                    <code value="Japanische-Enzephalitis-Impfstoff" />
266                    <display value="Japanische Enzephalitis-Impfstoff" />
267                    <equivalence value="equivalent" />
268                </target>
269            </element>
270            <element>
271                <code value="333699008" />
272                <display value="Tick-borne encephalitis vaccine" />
273                <target>
274                    <code value="FSME-Impfstoff" />
275                    <display value="FSME-Impfstoff" />
276                    <equivalence value="equivalent" />
277                </target>
278            </element>
279            <element>
280                <code value="90043005" />
281                <display value="Mumps live virus vaccine" />
282                <target>
283                    <code value="Mumps-Impfstoff" />
284                    <display value="Mumps-Impfstoff" />
285                    <equivalence value="equivalent" />
286                </target>
287            </element>
288            <element>
289                <code value="111164008" />
290                <display value="Poliovirus vaccine" />
291                <target>
292                    <code value="Polio-Impfstoff" />
293                    <display value="Polio-Impfstoff" />
294                    <equivalence value="equivalent" />
295                </target>
296            </element>
297            <element>
298                <code value="116077000" />
299                <display value="Rotavirus vaccine" />
300                <target>
301                    <code value="Rota-Impfstoff" />
302                    <display value="Rota-Impfstoff" />
303                    <equivalence value="equivalent" />
304                </target>
305            </element>
306            <element>
307                <code value="333606008" />
308                <display value="Rabies vaccine" />
309                <target>
310                    <code value="Tollwut-Impfstoff" />
311                    <display value="Tollwut-Impfstoff" />
312                    <equivalence value="equivalent" />
313                </target>
314            </element>
315            <element>
316                <code value="407737004" />
317                <display value="Varicella-zoster vaccine" />
318                <target>
319                    <code value="Herpes-Zoster-Totimpfstoff" />
320                    <display value="Herpes Zoster-Totimpfstoff" />
```

```xml
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="33234009" />
                <display value="Smallpox vaccine" />
                <target>
                    <code value="Pockenimpfstoff" />
                    <display value="Pockenimpfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="424519000" />
                <display value="Human papillomavirus vaccine" />
                <target>
                    <code value="HPV-Impfstoff" />
                    <display value="HPV Impfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="56844000" />
                <display value="Yellow fever vaccine" />
                <target>
                    <code value="Gelbfieberimpfstoff" />
                    <display value="Gelbfieberimpfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="386013003" />
                <display value="Rubella vaccine" />
                <target>
                    <code value="Roetelnimpfstoff" />
                    <display value="Rötelnimpfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="386012008" />
                <display value="Measles vaccine" />
                <target>
                    <code value="Masernimpfstoff" />
                    <display value="Masernimpfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="14745005" />
                <display value="Hepatitis A virus vaccine" />
                <target>
                    <code value="Hepatitis-A-Impfstoff" />
                    <display value="Hepatitis A Impfstoff" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="34689006" />
                <display value="Hepatitis B virus vaccine" />
```

```
381                    <target>
382                        <code value="Hepatitis-B-Impfstoff" />
383                        <display value="Hepatitis B Impfstoff" />
384                        <equivalence value="equivalent" />
385                    </target>
386                </element>
387                <element>
388                    <code value="46233009" />
389                    <display value="Influenza virus vaccine" />
390                    <target>
391                        <code value="Influenzaimpfstoff" />
392                        <display value="Influenzaimpfstoff" />
393                        <equivalence value="equivalent" />
394                    </target>
395                </element>
396                <element>
397                    <code value="89428009" />
398                    <display value="Typhoid vaccine" />
399                    <target>
400                        <code value="Typhusimpfstoff" />
401                        <display value="Typhusimpfstoff" />
402                        <equivalence value="equivalent" />
403                    </target>
404                </element>
405                <element>
406                    <code value="420538001" />
407                    <display value="Tuberculosos vaccine" />
408                    <target>
409                        <code value="Tuberkuloseimpfstoff" />
410                        <display value="Tuberkuloseimpfstoff" />
411                        <equivalence value="equivalent" />
412                    </target>
413                </element>
414                <element>
415                    <code value="333621002" />
416                    <display value="Tetanus vaccine" />
417                    <target>
418                        <code value="Tetanusimpfstoff" />
419                        <display value="Tetanusimpfstoff" />
420                        <equivalence value="equivalent" />
421                    </target>
422                </element>
423                <element>
424                    <code value="333598008" />
425                    <display value="Pneumococcal vaccine" />
426                    <target>
427                        <code value="Pneumokokkenimpfstoff" />
428                        <display value="Pneumokokkenimpfstoff" />
429                        <equivalence value="equivalent" />
430                    </target>
431                </element>
432                <element>
433                    <code value="11866009" />
434                    <display value="Plague vaccine" />
435                    <target>
436                        <code value="Pestimpfstoff" />
437                        <display value="Pestimpfstoff" />
438                        <equivalence value="equivalent" />
439                    </target>
440                </element>
```

```
441            <element>
442                <code value="61602008" />
443                <display value="Pertussis vaccine" />
444                <target>
445                    <code value="Pertussisimpfstoff" />
446                    <display value="Pertussisimpfstoff" />
447                    <equivalence value="equivalent" />
448                </target>
449            </element>
450            <element>
451                <code value="423531006" />
452                <display value="Meningococcus vaccine" />
453                <target>
454                    <code value="Meningokokkenimpfstoff" />
455                    <display value="Meningokokkenimpfstoff" />
456                    <equivalence value="equivalent" />
457                </target>
458            </element>
459            <element>
460                <code value="333680004" />
461                <display value="Haemophilus influenzae Type b vaccine" />
462                <target>
463                    <code value="Haemophilus-influenzae-B-Impfstoff" />
464                    <display value="Haemophilus influenzae B Impfstoff" />
465                    <equivalence value="equivalent" />
466                </target>
467            </element>
468            <element>
469                <code value="428214002" />
470                <display value="Diphtheria vaccine" />
471                <target>
472                    <code value="Diphtherieimpfstoff" />
473                    <display value="Diphtherieimpfstoff" />
474                    <equivalence value="equivalent" />
475                </target>
476            </element>
477            <element>
478                <code value="35736007" />
479                <display value="Cholera vaccine" />
480                <target>
481                    <code value="Choleraimpfstoff" />
482                    <display value="Choleraimpfstoff" />
483                    <equivalence value="equivalent" />
484                </target>
485            </element>
486            <element>
487                <code value="7230005" />
488                <display value="Brucella vaccine" />
489                <target>
490                    <code value="Brucelloseimpfstoff" />
491                    <display value="Brucelloseimpfstoff" />
492                    <equivalence value="equivalent" />
493                </target>
494            </element>
495            <element>
496                <code value="333521006" />
497                <display value="Anthrax vaccine" />
498                <target>
499                    <code value="Milzbrandimpfstoff" />
500                    <display value="Milzbrandimpfstoff" />
```

```xml
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="714569001" />
                <display value="Product containing normal immunoglobulin human
(medicinal product)" />
                <target>
                    <code value="Immunglobuline-normal-human" />
                    <display value="Immunglobuline (normal human)" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="786224004" />
                <display value="Product containing human anti-D immunoglobulin
(medicinal product)|" />
                <target>
                    <code value="Anti-D-Immunglobulin" />
                    <display value="Anti-D(rh)-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="384706007" />
                <display value="Product containing tetanus antitoxin (medicinal
product)" />
                <target>
                    <code value="Tetanus-Immunglobulin" />
                    <display value="Tetanus-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="62294009" />
                <display value="Product containing Varicella-zoster virus
antibody (medicinal product)" />
                <target>
                    <code value="Varicella-Zoster-Immunglobulin" />
                    <display value="Varicella/Zoster-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="9542007" />
                <display value="Product containing Hepatitis B surface antigen
immunoglobulin (medicinal product)" />
                <target>
                    <code value="Hepatitis-B-Immunglobulin" />
                    <display value="Hepatitis-B-Immunglobulin" />
                    <equivalence value="equivalent" />
                </target>
            </element>
            <element>
                <code value="80834004" />
                <display value="Product containing rabies human immune globulin
(medicinal product)" />
                <target>
                    <code value="Tollwut-Immunglobulin" />
                    <display value="Tollwut-Immunglobulin" />
```

```
555                    <equivalence value="equivalent" />
556                </target>
557            </element>
558            <element>
559                <code value="9778000" />
560                <display value="Product containing Cytomegalovirus antibody
      (medicinal product)" />
561                <target>
562                    <code value="Cytomegalievirus-Immunglobulin" />
563                    <display value="Cytomegalievirus-Immunglobulin" />
564                    <equivalence value="equivalent" />
565                </target>
566            </element>
567            <element>
568                <code value="108725001" />
569                <display value="Product containing palivizumab (medicinal
      product)" />
570                <target>
571                    <code value="Palivizumab" />
572                    <display value="Palivizumab" />
573                    <equivalence value="equivalent" />
574                </target>
575            </element>
576            <element>
577                <code value="763703008" />
578                <display value="Product containing bezlotoxumab (medicinal
      product)" />
579                <target>
580                    <code value="Bezlotoxumab" />
581                    <display value="Bezlotoxumab" />
582                    <equivalence value="equivalent" />
583                </target>
584            </element>
585            <element>
586                <code value="787859002" />
587                <display value="Vaccine product (product)" />
588                <target>
589                    <code value="Impfstoffe" />
590                    <display value="Impfstoffe (unspezifiziert)" />
591                    <equivalence value="equivalent" />
592                </target>
593            </element>
594            <element>
595                <code value="421245007" />
596                <display value="Diphtheria + pertussis + tetanus vaccine
      (product)" />
597                <target>
598                    <code value="Pertussis-gereinigtes Antigen-Kombinationen-
      mit-Toxoiden" />
599                    <display value="Pertussis, gereinigtes Antigen,
      Kombinationen mit Toxoiden" />
600                    <equivalence value="equivalent" />
601                </target>
602            </element>
603        </group>
604    </ConceptMap>
```

26. KBV_CM_MIO_VACCINATION_VACCINE_TARGETDISEASE

KBV_CM_MIO_Vaccination_Vaccine_Targetdisease

```xml
1  <ConceptMap xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ConceptMap/
   KBV_CM_MIO_Vaccination_Vaccine_Targetdisease" />
3      <version value="1.00.000" />
4      <name value="KBV_CM_MIO_Vaccination_Vaccine_Targetdisease" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <description value="Diese Conceptmap verknüpft die Codes für
   impfrelevante durchgemachte Krankheiten mit denen für Impfstoffe und bietet
   einen deutschen Codes dazu" />
9      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
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   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
10     <group>
11         <source value="http://snomed.info/sct" />
12         <target value="http://fhir.de/CodeSystem/dimdi/alpha-id" />
13         <element>
14             <code value="67924001" />
15             <display value="Smallpox (disorder)" />
16             <target>
17                 <code value="I15064" />
18                 <display value="Pocken" />
19                 <equivalence value="equivalent" />
20             </target>
21         </element>
22         <element>
23             <code value="240532009" />
24             <display value="Human papilomavirus infection (disorder)" />
25             <target>
26                 <code value="I21515" />
27                 <display value="Infektion durch humanes Papillomavirus
   [HPV]" />
28                 <equivalence value="equivalent" />
29             </target>
30         </element>
31         <element>
32             <code value="16541001" />
33             <display value="Yellow fewer (disorder)" />
34             <target>
35                 <code value="I14036" />
36                 <display value="Gelbfieber" />
37                 <equivalence value="equivalent" />
38             </target>
39         </element>
40         <element>
41             <code value="4740000" />
42             <display value="Herpes Zoster (disorder)" />
43             <target>
44                 <code value="I23144" />
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45              <display value="Herpes zoster" />
46              <equivalence value="equivalent" />
47          </target>
48      </element>
49      <element>
50          <code value="38907003" />
51          <display value="Varicella (disorder)" />
52          <target>
53              <code value="I15579" />
54              <display value="Windpocken" />
55              <equivalence value="equivalent" />
56          </target>
57      </element>
58      <element>
59          <code value="36653000" />
60          <display value="Rubella (disorder)" />
61          <target>
62              <code value="I15222" />
63              <display value="Röteln" />
64              <equivalence value="equivalent" />
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66      </element>
67      <element>
68          <code value="18624000" />
69          <display value="Disease caused by Rotavirus (disorder)" />
70          <target>
71              <code value="I110761" />
72              <display value="Infektion durch Rotaviren" />
73              <equivalence value="equivalent" />
74          </target>
75      </element>
76      <element>
77          <code value="14168008" />
78          <display value="Rabies (disorder)" />
79          <target>
80              <code value="I22407" />
81              <display value="Tollwut" />
82              <equivalence value="equivalent" />
83          </target>
84      </element>
85      <element>
86          <code value="398102009" />
87          <display value="Acute Poliomyelitis (disorder)" />
88          <target>
89              <code value="I14372" />
90              <display value="Poliomyelitis" />
91              <equivalence value="equivalent" />
92          </target>
93      </element>
94      <element>
95          <code value="36989005" />
96          <display value="Mumps (disorder)" />
97          <target>
98              <code value="I14707" />
99              <display value="Mumps" />
100             <equivalence value="equivalent" />
101         </target>
102     </element>
103     <element>
104         <code value="14189004" />
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105              <display value="Measles (disorder)" />
106              <target>
107                  <code value="I14609" />
108                  <display value="Masern" />
109                  <equivalence value="equivalent" />
110              </target>
111          </element>
112          <element>
113              <code value="40468003" />
114              <display value="Viral hepatitis, type A (disorder)" />
115              <target>
116                  <code value="I15771" />
117                  <display value="Hepatitis A" />
118                  <equivalence value="equivalent" />
119              </target>
120          </element>
121          <element>
122              <code value="66071002" />
123              <display value="Viral hepatitis, type B (disorder)" />
124              <target>
125                  <code value="I15777" />
126                  <display value="Hepatitis B" />
127                  <equivalence value="equivalent" />
128              </target>
129          </element>
130          <element>
131              <code value="6142004" />
132              <display value="Influenza (disorder)" />
133              <target>
134                  <code value="I14083" />
135                  <display value="Grippe [Influenza]" />
136                  <equivalence value="equivalent" />
137              </target>
138          </element>
139          <element>
140              <code value="52947006" />
141              <display value="Japanese encephalitis virus disease
     (disorder)" />
142              <target>
143                  <code value="I1064" />
144                  <display value="Japanische Enzephalitis" />
145                  <equivalence value="equivalent" />
146              </target>
147          </element>
148          <element>
149              <code value="16901001" />
150              <display value="Central European encephalitis (disorder)" />
151              <target>
152                  <code value="I23483" />
153                  <display value="FSME [Zentraleuropäische Frühsommer-
     Meningoenzephalitis]" />
154                  <equivalence value="equivalent" />
155              </target>
156          </element>
157          <element>
158              <code value="4834000" />
159              <display value="Thyphoid fever (disorder)" />
160              <target>
161                  <code value="I22454" />
162                  <display value="Typhus" />
```

```xml
163                    <equivalence value="equivalent" />
164                </target>
165            </element>
166            <element>
167                <code value="56717001" />
168                <display value="Tuberculosis (disorder)" />
169                <target>
170                    <code value="I22433" />
171                    <display value="Tuberkulose" />
172                    <equivalence value="equivalent" />
173                </target>
174            </element>
175            <element>
176                <code value="76902006" />
177                <display value="Tetanus (disorder)" />
178                <target>
179                    <code value="I15432" />
180                    <display value="Tetanus-Infektion" />
181                    <equivalence value="equivalent" />
182                </target>
183            </element>
184            <element>
185                <code value="16814004" />
186                <display value="Pneumococcal infectious disease (disorder)" />
187                <target>
188                    <code value="I73861" />
189                    <display value="Infektion durch Pneumokokken a.n.k." />
190                    <equivalence value="equivalent" />
191                </target>
192            </element>
193            <element>
194                <code value="58750007" />
195                <display value="Plague (disorder)" />
196                <target>
197                    <code value="I15008" />
198                    <display value="Pest" />
199                    <equivalence value="equivalent" />
200                </target>
201            </element>
202            <element>
203                <code value="27836007" />
204                <display value="Pertussis (disorder)" />
205                <target>
206                    <code value="I14368" />
207                    <display value="Pertussis" />
208                    <equivalence value="equivalent" />
209                </target>
210            </element>
211            <element>
212                <code value="23511006" />
213                <display value="Meningococcal infectious disease (disorder)" />
214                <target>
215                    <code value="I27534" />
216                    <display value="Infektion durch Meningokokken" />
217                    <equivalence value="equivalent" />
218                </target>
219            </element>
220            <element>
221                <code value="397430003" />
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222                    <display value="Diphtheria caused by Corynebacterium
       diphtheriae (disorder)" />
223                    <target>
224                        <code value="I23502" />
225                        <display value="Diphtherie" />
226                        <equivalence value="equivalent" />
227                    </target>
228                </element>
229                <element>
230                    <code value="63650001" />
231                    <display value="Cholera (disorder)" />
232                    <target>
233                        <code value="I13614" />
234                        <display value="Cholera" />
235                        <equivalence value="equivalent" />
236                    </target>
237                </element>
238                <element>
239                    <code value="409498004" />
240                    <display value="Anthrax (disorder)" />
241                    <target>
242                        <code value="I14685" />
243                        <display value="Milzbrand" />
244                        <equivalence value="equivalent" />
245                    </target>
246                </element>
247                <element>
248                    <code value="709410003" />
249                    <display value="Haemophilus influenzae type b infection
       (disorder)" />
250                    <target>
251                        <code value="I11467" />
252                        <display value="Haemophilus-influenzae-Infektion" />
253                        <equivalence value="equivalent" />
254                    </target>
255                </element>
256                <element>
257                    <code value="75702008" />
258                    <display value="Brucellosis (disorder)" />
259                    <target>
260                        <code value="I13550" />
261                        <display value="Brucellose" />
262                        <equivalence value="equivalent" />
263                    </target>
264                </element>
265                <element>
266                    <code value="39111003" />
267                    <display value="Louse-borne typhus (disorder)" />
268                    <target>
269                        <code value="I13965" />
270                        <display value="Fleckfieber" />
271                        <equivalence value="relatedto" />
272                    </target>
273                </element>
274                <element>
275                    <code value="186431008" />
276                    <display value="Clostridioides difficile infection
       (disorder)" />
277                    <target>
278                        <code value="I116469" />
```

```
279              <display value="Infektion durch Clostridium difficile" />
280              <equivalence value="relatedto" />
281            </target>
282          </element>
283          <element>
284            <code value="55735004" />
285            <display value="Respiratory syncytial virus infection
     (disorder)" />
286            <target>
287              <code value="I5031" />
288              <display value="Pneumonie durch Respiratory-Syncytial-Viren
     [RS-Viren]" />
289              <equivalence value="relatedto" />
290            </target>
291          </element>
292          <element>
293            <code value="28944009" />
294            <display value="Cytomegalovirus infection (disorder)" />
295            <target>
296              <code value="I15735" />
297              <display value="Infektion durch Zytomegalieviren" />
298              <equivalence value="relatedto" />
299            </target>
300          </element>
301          <element>
302            <code value="307333004" />
303            <display value="Rhesus isoimmunization due to anti-D
     (disorder)" />
304            <target>
305              <code value="I97396" />
306              <display value="Blutgruppenunverträglichkeit beim
     Neugeborenen" />
307              <equivalence value="relatedto" />
308            </target>
309          </element>
310        </group>
311        <group>
312          <source value="http://snomed.info/sct" />
313          <target value="http://snomed.info/sct" />
314          <element>
315            <code value="709410003" />
316            <display value="Haemophilus influenzae type b infection
     (disorder)" />
317            <target>
318              <code value="333680004" />
319              <display value="Haemophilus influenzae Type b vaccine
     (product)" />
320              <equivalence value="relatedto" />
321            </target>
322            <target>
323              <code value="787859002:{127489000=412374001}
     {127489000=396433007}{127489000=396411005}" />
324              <display value="Vaccine product (product):  { Has active
     ingredient (attribute) = Haemophilus influenzae type b vaccine
     (substance) } { Has active ingredient (attribute) = Pertussis vaccine
     (substance) } { Has active ingredient (attribute) = Toxoid (substance) }" /
     >
325              <equivalence value="relatedto" />
326            </target>
327            <target>
```

```
328                        <code value="423912009" />
329                        <display value="Haemophilus influenzae type b +
         Meningococcal group C vaccine (product)" />
330                        <equivalence value="relatedto" />
331                    </target>
332                    <target>
333                        <code value="787859002:{127489000=398730001}
         {127489000=412374001}" />
334                        <display value="Vaccine product (product): { Has active
         ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
         ingredient (attribute) = Haemophilus influenzae type b vaccine
         (substance) }" />
335                        <equivalence value="relatedto" />
336                    </target>
337                    <target>
338                        <code value="787859002:{127489000=412374001}
         {127489000=396436004}" />
339                        <display value="Vaccine product (product): { Has active
         ingredient (attribute) = Haemophilus influenzae type b vaccine
         (substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
         (substance) }" />
340                        <equivalence value="relatedto" />
341                    </target>
342                    <target>
343                        <code value="414004005" />
344                        <display value="Diphtheria + tetanus + pertussis +
         poliomyelitis + haemophilus influenzae b vaccine (product)" />
345                        <equivalence value="relatedto" />
346                    </target>
347                    <target>
348                        <code value="787859002:{127489000=428126001}
         {127489000=396424005}{127489000=412375000}" />
349                        <display value="Vaccine product (product): { Has active
         ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
         ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
         active ingredient (attribute) = Tetanus vaccine (substance) }" />
350                        <equivalence value="relatedto" />
351                    </target>
352                    <target>
353                        <code value="426971004" />
354                        <display value="Haemophilus influenzae Type b + recombinant
         hepatitis B virus vaccine (product)" />
355                        <equivalence value="relatedto" />
356                    </target>
357                    <target>
358                        <code value="426842004" />
359                        <display value="Diphtheria + tetanus + pertussis +
         poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
         influenzae type B vaccine (product)" />
360                        <equivalence value="relatedto" />
361                    </target>
362                    <target>
363                        <code value="787859002:{127489000=428126001}
         {127489000=412374001}{127489000=396433007}{127489000=412375000}
         {127489000=396424005}" />
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```xml
                    <display value="Vaccine product (product): { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Pertussis vaccine
(substance) } { Has active ingredient (attribute) = Tetanus vaccine
(substance) } { Has active ingredient (attribute) =  Hepatitis B virus
vaccine (substance) }" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="787859002:127489000=428126001,412374001,396433
007,412375000,396424005,768365004,768366003" />
                    <display value="Vaccine product (product): Has active
ingredient (attribute) = Diphtheria vaccine (substance), Haemophilus
influenzae type b vaccine (substance), Pertussis vaccine (substance),
Tetanus vaccine (substance), Hepatitis B virus vaccine (substance),
Meningococcus group A vaccine (substance), Meningococcus group C vaccine
(substance)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="75702008" />
                <display value="Brucellosis (disorder)" />
                <target>
                    <code value="7230005" />
                    <display value="Brucella vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="67924001" />
                <display value="Smallpox (disorder)" />
                <target>
                    <code value="33234009" />
                    <display value="Smallpox vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="240532009" />
                <display value="Human papilomavirus infection (disorder)" />
                <target>
                    <code value="424519000" />
                    <display value="Human papillomavirus vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="16541001" />
                <display value="Yellow fewer (disorder)" />
                <target>
                    <code value="56844000" />
                    <display value="Yellow fever vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="4740000" />
                <display value="Herpes Zoster (disorder)" />
```

```
412                    <target>
413                        <code value="407746005" />
414                        <display value="Varicella-zoster live attenuated vaccine
       (product)" />
415                        <equivalence value="relatedto" />
416                    </target>
417                    <target>
418                        <code value="407737004" />
419                        <display value="Varicella-zoster vaccine" />
420                        <equivalence value="relatedto" />
421                    </target>
422                    <target>
423                        <code value="62294009" />
424                        <display value="Product containing Varicella-zoster virus
       antibody (medicinal product)" />
425                        <equivalence value="relatedto" />
426                    </target>
427                </element>
428                <element>
429                    <code value="38907003" />
430                    <display value="Varicella (disorder)" />
431                    <target>
432                        <code value="407746005" />
433                        <display value="Varicella-zoster live attenuated vaccine
       (product)" />
434                        <equivalence value="relatedto" />
435                    </target>
436                    <target>
437                        <code value="419550004" />
438                        <display value="Measles + mumps + rubella + varicella
       vaccine (product)" />
439                        <equivalence value="relatedto" />
440                    </target>
441                    <target>
442                        <code value="62294009" />
443                        <display value="Product containing Varicella-zoster virus
       antibody (medicinal product)" />
444                        <equivalence value="relatedto" />
445                    </target>
446                </element>
447                <element>
448                    <code value="36653000" />
449                    <display value="Rubella (disorder)" />
450                    <target>
451                        <code value="386013003" />
452                        <display value="Rubella vaccine (product)" />
453                        <equivalence value="relatedto" />
454                    </target>
455                    <target>
456                        <code value="61153008" />
457                        <display value="Measles, mumps and rubella vaccine
       (product)" />
458                        <equivalence value="relatedto" />
459                    </target>
460                    <target>
461                        <code value="787859002:{127489000=396427003}
       {127489000=396438003}" />
462                        <display value="Vaccine product (product):  { Has active
       ingredient (attribute) = Measles vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) }" />
```

```
463                    <equivalence value="relatedto" />
464                </target>
465                <target>
466                    <code value="419550004" />
467                    <display value="Measles + mumps + rubella + varicella
       vaccine (product)" />
468                    <equivalence value="relatedto" />
469                </target>
470                <target>
471                    <code value="787859002:{127489000=428126001}
       {127489000=396438003}{127489000=412375000}" />
472                    <display value="Vaccine product (product):  { Has active
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) } { Has active
       ingredient (attribute) = Tetanus vaccine (substance) }" />
473                    <equivalence value="relatedto" />
474                </target>
475            </element>
476            <element>
477                <code value="18624000" />
478                <display value="Disease caused by Rotavirus (disorder)" />
479                <target>
480                    <code value="116077000" />
481                    <display value="Rotavirus vaccine (product)" />
482                    <equivalence value="relatedto" />
483                </target>
484            </element>
485            <element>
486                <code value="14168008" />
487                <display value="Rabies (disorder)" />
488                <target>
489                    <code value="333606008" />
490                    <display value="Rabies vaccine" />
491                    <equivalence value="relatedto" />
492                </target>
493                <target>
494                    <code value="80834004" />
495                    <display value="Product containing rabies human immune
       globulin (medicinal product)" />
496                    <equivalence value="relatedto" />
497                </target>
498            </element>
499            <element>
500                <code value="398102009" />
501                <display value="Acute Poliomyelitis (disorder)" />
502                <target>
503                    <code value="111164008" />
504                    <display value="Poliovirus vaccine (product)" />
505                    <equivalence value="relatedto" />
506                </target>
507                <target>
508                    <code value="414006007" />
509                    <display value="Diphtheria + tetanus + poliomyelitis
       vaccine (product)" />
510                    <equivalence value="relatedto" />
511                </target>
512                <target>
513                    <code value="414005006" />
514                    <display value="Diphtheria + tetanus + pertussis +
       poliomyelitis vaccine (product)" />
```

```xml
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=412374001}
{127489000=396436004}" />
                        <display value="Vaccine product (product): { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
(substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="414004005" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + haemophilus influenzae b vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="426842004" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
influenzae type B vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="427542001" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                </element>
                <element>
                    <code value="36989005" />
                    <display value="Mumps (disorder)" />
                    <target>
                        <code value="90043005" />
                        <display value="Mumps live virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="785865001" />
                        <display value="Measles and mumps vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="61153008" />
                        <display value="Measles, mumps and rubella vaccine
(product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=396427003}
{127489000=396438003}" />
                        <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Measles vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="419550004" />
```

```xml
                    <display value="Measles + mumps + rubella + varicella
vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="14189004" />
                <display value="Measles (disorder)" />
                <target>
                    <code value="386012008" />
                    <display value="Measles vaccine" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="785865001" />
                    <display value="Measles, mumps and rubella vaccine
(product)" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="787859002:{127489000=396427003}
{127489000=396438003}" />
                    <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Measles vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) }" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="419550004" />
                    <display value="Measles + mumps + rubella + varicella
vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="40468003" />
                <display value="Viral hepatitis, type A (disorder)" />
                <target>
                    <code value="14745005" />
                    <display value="Hepatitis A virus vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="333702001" />
                    <display value="Hepatitis A+B vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="426081003" />
                    <display value="Diphtheria + tetanus + pertussis +
recombinant hepatitis B virus vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="333707007" />
                    <display value="Hepatitis A+typhoid vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
```

```xml
                    <code value="66071002" />
                    <display value="Viral hepatitis, type B (disorder)" />
                    <target>
                        <code value="34689006" />
                        <display value="Hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="333702001" />
                        <display value="Hepatitis A+B vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="426971004" />
                        <display value="Haemophilus influenzae Type b + recombinant
        hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="426842004" />
                        <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
        influenzae type B vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=428126001}
        {127489000=412374001}{127489000=396433007}{127489000=412375000}
        {127489000=396424005}" />
                        <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
        ingredient (attribute) = Haemophilus influenzae type b vaccine
        (substance) } { Has active ingredient (attribute) = Pertussis vaccine
        (substance) } { Has active ingredient (attribute) = Tetanus vaccine
        (substance) } { Has active ingredient (attribute) =  Hepatitis B virus
        vaccine (substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="427542001" />
                        <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:127489000=428126001,412374001,396433
        007,412375000,396424005,768365004,768366003" />
                        <display value="Vaccine product (product): Has active
        ingredient (attribute) = Diphtheria vaccine (substance), Haemophilus
        influenzae type b vaccine (substance), Pertussis vaccine (substance),
        Tetanus vaccine (substance), Hepatitis B virus vaccine (substance),
        Meningococcus group A vaccine (substance), Meningococcus group C vaccine
        (substance)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="9542007" />
                        <display value="Product containing Hepatitis B surface
        antigen immunoglobulin (medicinal product)" />
                        <equivalence value="relatedto" />
```

```xml
                </target>
            </element>
            <element>
                <code value="6142004" />
                <display value="Influenza (disorder)" />
                <target>
                    <code value="46233009" />
                    <display value="Influenza virus vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="52947006" />
                <display value="Japanese encephalitis virus disease
(disorder)" />
                <target>
                    <code value="333697005" />
                    <display value="Japanese B encephalitis vaccine
(product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="16901001" />
                <display value="Central European encephalitis (disorder)" />
                <target>
                    <code value="333699008" />
                    <display value="Tick-borne encephalitis vaccine
(product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="4834000" />
                <display value="Thyphoid fever (disorder)" />
                <target>
                    <code value="89428009" />
                    <display value="Typhoid vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="787859002:{127489000=396422009}
{127489000=396441007}" />
                    <display value="Vaccine product (product): { Has active
ingredient (attribute) = Cholera vaccine (substance) } { Has active
ingredient (attribute) = Typhoid vaccine (substance) }" />
                    <equivalence value="relatedto" />
                </target>
                <target>
                    <code value="333707007" />
                    <display value="Hepatitis A+typhoid vaccine (product)" />
                    <equivalence value="relatedto" />
                </target>
            </element>
            <element>
                <code value="56717001" />
                <display value="Tuberculosis (disorder)" />
                <target>
                    <code value="420538001" />
                    <display value="Tuberculosos vaccine (product)" />
```

```xml
                    <equivalence value="relatedto" />
                </target>
        </element>
        <element>
            <code value="76902006" />
            <display value="Tetanus (disorder)" />
            <target>
                <code value="333621002" />
                <display value="Tetanus vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="350327004" />
                <display value="Diphtheria + tetanus vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="414006007" />
                <display value="Diphtheria + tetanus + poliomyelitis
    vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="414005006" />
                <display value="Diphtheria + tetanus + pertussis +
    poliomyelitis vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="787859002:{127489000=428126001}
    {127489000=396438003}{127489000=412375000}" />
                <display value="Vaccine product (product):  { Has active
    ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
    ingredient (attribute) = Rubella vaccine (substance) } { Has active
    ingredient (attribute) = Tetanus vaccine (substance) }" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="426081003" />
                <display value="Diphtheria + tetanus + pertussis +
    recombinant hepatitis B virus vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="414004005" />
                <display value="Diphtheria + tetanus + pertussis +
    poliomyelitis + haemophilus influenzae b vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="426842004" />
                <display value="Diphtheria + tetanus + pertussis +
    poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
    influenzae type B vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="787859002:{127489000=428126001}
    {127489000=412374001}{127489000=396433007}{127489000=412375000}
    {127489000=396424005}" />
```

```xml
                        <display value="Vaccine product (product): { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Pertussis vaccine
(substance) } { Has active ingredient (attribute) = Tetanus vaccine
(substance) } { Has active ingredient (attribute) =  Hepatitis B virus
vaccine (substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="427542001" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:127489000=28126001,412374001,3964330
07,398777006,396424005,768365004,768366003" />
                        <display value="Vaccine product (product):Has active
ingredient (attribute)=Diphtheria vaccine (substance),Haemophilus
influenzae type b vaccine (substance),Pertussis vaccine (substance),Tetanus
vaccine (substance),Hepatitis B virus vaccine (substance),Meningococcus
group A vaccine (substance),Meningococcus group C vaccine (substance)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="384706007" />
                        <display value="Product containing tetanus antitoxin
(medicinal product)" />
                        <equivalence value="relatedto" />
                    </target>
                </element>
                <element>
                    <code value="16814004" />
                    <display value="Pneumococcal infectious disease (disorder)" />
                    <target>
                        <code value="333598008" />
                        <display value="Pneumococcal vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=398730001}
{127489000=412374001}" />
                        <display value="Vaccine product (product): { Has active
ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                </element>
                <element>
                    <code value="58750007" />
                    <display value="Plague (disorder)" />
                    <target>
                        <code value="11866009" />
                        <display value="Plague vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                </element>
                <element>
```

```xml
                    <code value="27836007" />
                    <display value="Pertussis (disorder)" />
                    <target>
                        <code value="61602008" />
                        <display value="Pertussis vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=412374001}
{127489000=396433007}{127489000=396411005}" />
                        <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Pertussis vaccine
(substance) } { Has active ingredient (attribute) = Toxoid (substance) }" /
>
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="414005006" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="426081003" />
                        <display value="Diphtheria + tetanus + pertussis +
recombinant hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="414004005" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + haemophilus influenzae b vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="426842004" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
influenzae type B vaccine (product)" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="787859002:{127489000=428126001}
{127489000=412374001}{127489000=396433007}{127489000=412375000}
{127489000=396424005}" />
                        <display value="Vaccine product (product): { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Pertussis vaccine
(substance) } { Has active ingredient (attribute) = Tetanus vaccine
(substance) } { Has active ingredient (attribute) =  Hepatitis B virus
vaccine (substance) }" />
                        <equivalence value="relatedto" />
                    </target>
                    <target>
                        <code value="427542001" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
                        <equivalence value="relatedto" />
```

```xml
            </target>
            <target>
                <code value="787859002:127489000=428126001,412374001,396433
007,412375000,396424005,768365004,768366003" />
                <display value="Vaccine product (product): Has active
ingredient (attribute) = Diphtheria vaccine (substance), Haemophilus
influenzae type b vaccine (substance), Pertussis vaccine (substance),
Tetanus vaccine (substance), Hepatitis B virus vaccine (substance),
Meningococcus group A vaccine (substance), Meningococcus group C vaccine
(substance)" />
                <equivalence value="relatedto" />
            </target>
        </element>
        <element>
            <code value="23511006" />
            <display value="Meningococcal infectious disease (disorder)" />
            <target>
                <code value="423531006" />
                <display value="Meningococcus vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="423912009" />
                <display value="Haemophilus influenzae type b +
Meningococcal group C vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="787859002:{127489000=428126001}
{127489000=412374001}{127489000=396433007}{127489000=412375000}
{127489000=396424005}{127489000=768365004}{127489000=768366003}" />
                <display value="Vaccine product (product): { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) =  Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Pertussis vaccine
(substance) } { Has active ingredient (attribute) = Tetanus vaccine
(substance) } { Has active ingredient (attribute) = Hepatitis B virus
vaccine (substance) } { Has active ingredient (attribute) = Meningococcus
group A vaccine (substance) } { Has active ingredient (attribute) =
Meningococcus group C vaccine (substance) }" />
                <equivalence value="relatedto" />
            </target>
        </element>
        <element>
            <code value="397430003" />
            <display value="Diphtheria caused by Corynebacterium
diphtheriae (disorder)" />
            <target>
                <code value="428214002" />
                <display value="Diphtheria vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="350327004" />
                <display value="Diphtheria + tetanus vaccine (product)" />
                <equivalence value="relatedto" />
            </target>
            <target>
                <code value="414006007" />
```

```
884                         <display value="Diphtheria + tetanus + poliomyelitis
      vaccine (product)" />
885                         <equivalence value="relatedto" />
886                 </target>
887                 <target>
888                     <code value="414005006" />
889                     <display value="Diphtheria + tetanus + pertussis +
      poliomyelitis vaccine (product)" />
890                         <equivalence value="relatedto" />
891                 </target>
892                 <target>
893                     <code value="787859002:{127489000=428126001}
      {127489000=396438003}{127489000=412375000}" />
894                     <display value="Vaccine product (product):  { Has active
      ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
      ingredient (attribute) = Rubella vaccine (substance) } { Has active
      ingredient (attribute) = Tetanus vaccine (substance) }" />
895                         <equivalence value="relatedto" />
896                 </target>
897                 <target>
898                     <code value="426081003" />
899                     <display value="Diphtheria + tetanus + pertussis +
      recombinant hepatitis B virus vaccine (product)" />
900                         <equivalence value="relatedto" />
901                 </target>
902                 <target>
903                     <code value="414004005" />
904                     <display value="Diphtheria + tetanus + pertussis +
      poliomyelitis + haemophilus influenzae b vaccine (product)" />
905                         <equivalence value="relatedto" />
906                 </target>
907                 <target>
908                     <code value="787859002:{127489000=428126001}
      {127489000=396424005}{127489000=412375000}" />
909                     <display value="Vaccine product (product): { Has active
      ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
      ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
      active ingredient (attribute) = Tetanus vaccine (substance) }" />
910                         <equivalence value="relatedto" />
911                 </target>
912                 <target>
913                     <code value="426842004" />
914                     <display value="Diphtheria + tetanus + pertussis +
      poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
      influenzae type B vaccine (product)" />
915                         <equivalence value="relatedto" />
916                 </target>
917                 <target>
918                     <code value="787859002:{127489000=428126001}
      {127489000=412374001}{127489000=396433007}{127489000=412375000}
      {127489000=396424005}" />
919                     <display value="Vaccine product (product): { Has active
      ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
      ingredient (attribute) = Haemophilus influenzae type b vaccine
      (substance) } { Has active ingredient (attribute) = Pertussis vaccine
      (substance) } { Has active ingredient (attribute) = Tetanus vaccine
      (substance) } { Has active ingredient (attribute) =  Hepatitis B virus
      vaccine (substance) }" />
920                         <equivalence value="relatedto" />
921                 </target>
```

```xml
922                 <target>
923                     <code value="427542001" />
924                     <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
925                     <equivalence value="relatedto" />
926                 </target>
927                 <target>
928                     <code value="787859002:127489000=428126001,412374001,396433
        007,412375000,396424005,768365004,768366003" />
929                     <display value="Vaccine product (product): Has active
        ingredient (attribute) = Diphtheria vaccine (substance), Haemophilus
        influenzae type b vaccine (substance), Pertussis vaccine (substance),
        Tetanus vaccine (substance), Hepatitis B virus vaccine (substance),
        Meningococcus group A vaccine (substance), Meningococcus group C vaccine
        (substance)" />
930                     <equivalence value="relatedto" />
931                 </target>
932             </element>
933             <element>
934                 <code value="63650001" />
935                 <display value="Cholera (disorder)" />
936                 <target>
937                     <code value="35736007" />
938                     <display value="Cholera vaccine (product)" />
939                     <equivalence value="relatedto" />
940                 </target>
941                 <target>
942                     <code value="787859002:{127489000=396422009}
        {127489000=396441007}" />
943                     <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Cholera vaccine (substance) } { Has active
        ingredient (attribute) = Typhoid vaccine (substance) }" />
944                     <equivalence value="relatedto" />
945                 </target>
946             </element>
947             <element>
948                 <code value="409498004" />
949                 <display value="Anthrax (disorder)" />
950                 <target>
951                     <code value="333521006" />
952                     <display value="Anthrax vaccine (product)" />
953                     <equivalence value="relatedto" />
954                 </target>
955             </element>
956             <element>
957                 <code value="39111003" />
958                 <display value="Louse-borne typhus (disorder)" />
959                 <target>
960                     <code value="37146000" />
961                     <display value="Typhus vaccine (product)" />
962                     <equivalence value="relatedto" />
963                 </target>
964             </element>
965             <element>
966                 <code value="186431008" />
967                 <display value="Clostridioides difficile infection
        (disorder)" />
968                 <target>
969                     <code value="763703008" />
```

```
            <display value="Product containing bezlotoxumab (medicinal
product)" />
            <equivalence value="relatedto" />
        </target>
    </element>
    <element>
        <code value="55735004" />
        <display value="Respiratory syncytial virus infection
(disorder)" />
        <target>
            <code value="108725001" />
            <display value="Product containing palivizumab (medicinal
product)" />
            <equivalence value="relatedto" />
        </target>
    </element>
    <element>
        <code value="28944009" />
        <display value="Cytomegalovirus infection (disorder)" />
        <target>
            <code value="9778000" />
            <display value="Product containing Cytomegalovirus antibody
(medicinal product)" />
            <equivalence value="relatedto" />
        </target>
    </element>
    <element>
        <code value="307333004" />
        <display value="Rhesus isoimmunization due to anti-D
(disorder)" />
        <target>
            <code value="786224004" />
            <display value="Product containing human anti-D
immunoglobulin (medicinal product)|" />
            <equivalence value="relatedto" />
        </target>
    </element>
    <element>
        <code value="64572001" />
        <display value="Disease (disorder)" />
        <target>
            <code value="714569001" />
            <display value="Product containing normal immunoglobulin
human (medicinal product)" />
            <equivalence value="relatedto" />
        </target>
    </element>
    <element>
        <code value="40733004" />
        <display value="Infectious disease (disorder)" />
        <target>
            <code value="787859002:{127489000=396422009}
{127489000=396441007}" />
            <display value="Vaccine product (product): { Has active
ingredient (attribute) = Cholera vaccine (substance) } { Has active
ingredient (attribute) = Typhoid vaccine (substance) }" />
            <equivalence value="relatedto" />
        </target>
    </element>
</group>
```

```
     <group>
         <source value="http://snomed.info/sct" />
         <target value="https://fhir.kbv.de/CodeSystem/
KBV_CS_MIO_Vaccination_Targetdisease_German" />
         <element>
             <code value="64572001" />
             <display value="Disease (disorder)" />
             <target>
                 <code value="Notwendigkeit-Immunglobulingabe" />
                 <display value="Notwendigkeit für Immunglobulingabe
(normal, human)" />
                 <equivalence value="relatedto" />
             </target>
         </element>
         <element>
             <code value="40733004" />
             <display value="Infectious disease (disorder)" />
             <target>
                 <code value="Infektionskrankheit-unspezifiziert" />
                 <display value="Infektionskrankheit (unspezifiziert)" />
                 <equivalence value="relatedto" />
             </target>
         </element>
     </group>
 </ConceptMap>
```

27. KBV_CS_MIO_VACCINATION_AGE_GROUP_GERMAN

KBV_CS_MIO_Vaccination_Age_Group_German

```xml
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Age_Group_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Age_Group_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält die Codes für deutsche
   Bezeichner der Lebensphase" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="Senior65" />
21         <display value="Ältere Person/ Senioren (Mit Beginn des 65.
   Lebensjahres)" />
22     </concept>
23     <concept>
24         <code value="Erwachsener18" />
25         <display value="Erwachsener (Ab Beginn des 19. Lebensjahres)" />
26     </concept>
27     <concept>
28         <code value="Jugendlicher1318" />
29         <display value="Jugendlicher (Ab Beginn des 13. bis zum vollendeten
   18. Lebensjahres)" />
30     </concept>
31     <concept>
32         <code value="Kind412" />
33         <display value="Kind (Ab Beginn des 4. bis zum vollendeten 12.
   Lebensjahres)" />
34     </concept>
35     <concept>
36         <code value="Kleinkind134" />
37         <display value="Kleinkind (Ab Beginn des 13. Lebensmonat bis zum
   vollendeten 3. Lebensjahr)" />
38     </concept>
39     <concept>
40         <code value="Saeugling12" />
41         <display value="Säugling (Ab Beginn des 29. Lebenstages bis zum
   vollendeten 12. Lebensmonat)" />
42     </concept>
43 </CodeSystem>
```

28. KBV_CS_MIO_VACCINATION_IMMUNIZATIONORIGINCODES_GERMAN

KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German

```xml
<CodeSystem xmlns="http://hl7.org/fhir">
    <url value="https://fhir.kbv.de/CodeSystem/
KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German" />
    <version value="1.00.000" />
    <name value="KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German" />
    <status value="active" />
    <experimental value="false" />
    <date value="2019-11-14" />
    <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
    <contact>
        <telecom>
            <system value="url" />
            <value value="http://www.kbv.de" />
        </telecom>
    </contact>
    <description value="Dieses Codesystem enthält die Codes für deutsche
Bezeichner der Quelle der Information einer Impfung" />
    <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
(KBV). All rights reserved." />
    <caseSensitive value="true" />
    <content value="complete" />
    <concept>
        <code value="Eltern-Patienten-Erziehungsberechtigter-Erinnerung" />
        <display value="Eltern/Erziehungsberechtigter/Patienten
Erinnerung" />
    </concept>
    <concept>
        <code value="Schriftliche-Dokumentation" />
        <display value="Schriftliche Dokumentation" />
    </concept>
    <concept>
        <code value="Anderer-Arzt-oder-sonstiger-im-Gesundheitsberuf" />
        <display value="Anderer Arzt oder sonstiger im Gesundheitsberuf" />
    </concept>
</CodeSystem>
```

29. KBV_CS_MIO_VACCINATION_LAB_IMMUNEREACTION_TEST_PRESENCE_GERMAN

KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German

```xml
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Ge
   rman" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält deutsche Bezeichnungen
   der Titerbestimmungsmöglichkeiten" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="Varizellen-Antikoerpernachweis" />
21         <display value="Varizellen Antikörpernachweis" />
22     </concept>
23     <concept>
24         <code value="Tetanus-Antikoerpernachweis" />
25         <display value="Tetanus Antikörpernachweis" />
26     </concept>
27     <concept>
28         <code value="Polio-Antikoerpernachweis" />
29         <display value="Polio Antikörpernachweis" />
30     </concept>
31     <concept>
32         <code value="Pertussis-Antikoerpernachweis" />
33         <display value="Pertussis Antikörpernachweis" />
34     </concept>
35     <concept>
36         <code value="Mumps-Antikoerpernachweis" />
37         <display value="Mumps Antikörpernachweis" />
38     </concept>
39     <concept>
40         <code value="Meningokokken-Antikoerpernachweis" />
41         <display value="Meningokokken Antikörpernachweis" />
42     </concept>
43     <concept>
44         <code value="Masern-Antikoerpernachweis" />
45         <display value="Masern Antikörpernachweis" />
46     </concept>
47     <concept>
48         <code value="Haemophilus-influenzae-B-Antikoerpernachweis" />
49         <display value="Haemophilus influenzae B Antikörpernachweis" />
50     </concept>
```

```xml
        <concept>
            <code value="Hepatitis-B-Antikoerpernachweis" />
            <display value="Hepatitis B Antikörpernachweis" />
        </concept>
        <concept>
            <code value="Hepatitis-A-Antikoerpernachweis" />
            <display value="Hepatitis A Antikörpernachweis" />
        </concept>
        <concept>
            <code value="Diphtherie-Antikoerpernachweis" />
            <display value="Diphtherie Antikörpernachweis" />
        </concept>
        <concept>
            <code value="Röteln-Antikoerpernachweis" />
            <display value="Röteln Antikörpernachweis" />
        </concept>
        <concept>
            <code value="Tuberkulose-Mendel-Mantoux-Test-positiv" />
            <display value="Tuberkulose - Mendel-Mantoux-Test positiv" />
        </concept>
        <concept>
            <code value="Tuberkulose-Mendel-Mantoux-Test-negativ" />
            <display value="Tuberkulose - Mendel-Mantoux-Test negativ" />
        </concept>
        <concept>
            <code value="Tuberkulose-Interferon-gamma-assay-positiv" />
            <display value="Tuberkulose - Interferon gamma assay positiv" />
        </concept>
        <concept>
            <code value="Tuberkulose-Interferon-gamma-assay-negativ" />
            <display value="Tuberkulose - Interferon gamma assay negativ" />
        </concept>
    </CodeSystem>
```

30. KBV_CS_MIO_VACCINATION_LAB_TITER_IMMUNITY_GERMAN

KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German

```xml
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält die Codes für deutsche
   Bezeichner der Erreichung der Immunität einer Titeruntersuchung" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="Positiv" />
21         <display value="Immunität erreicht" />
22     </concept>
23     <concept>
24         <code value="Negativ" />
25         <display value="Immunität nicht erreicht" />
26     </concept>
27  </CodeSystem>
```

31. KBV_CS_MIO_VACCINATION_PRACTITIONER_FUNCTION

KBV_CS_MIO_Vaccination_Practitioner_Function

```xml
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Practitioner_Function" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Practitioner_Function" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält die Codes für deutsche
   Bezeichner der Funktionsbezeichnung eines Behandelnden" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="arzt-aerztin" />
21         <display value="Arzt/ Ärztin" />
22     </concept>
23  </CodeSystem>
```

32. KBV_CS_MIO_VACCINATION_PRIOR_DISEASE_GERMAN

KBV_CS_MIO_Vaccination_Prior_Disease_German

```
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Prior_Disease_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Prior_Disease_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält die Codes für deutsche
   Bezeichner der durchgemachten Infektionskrankheiten" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="Nicht-aufgefuehrt-unspezifiziert" />
21         <display value="Nicht aufgeführt (unspezifiziert)" />
22     </concept>
23     <concept>
24         <code value="Pertussis/Keuchhusten" />
25         <display value="Pertussis/Keuchhusten" />
26     </concept>
27     <concept>
28         <code value="Gelbfieber" />
29         <display value="Gelbfieber" />
30     </concept>
31     <concept>
32         <code value="FSME-Fruehsommer-Meningoenzephalitis" />
33         <display value="FSME [Frühsommer Meningoenzephalitis]" />
34     </concept>
35     <concept>
36         <code value="Hepatitis-B" />
37         <display value="Hepatitis B" />
38     </concept>
39     <concept>
40         <code value="Hepatitis-A" />
41         <display value="Hepatitis A" />
42     </concept>
43     <concept>
44         <code value="Roeteln" />
45         <display value="Röteln" />
46     </concept>
47     <concept>
48         <code value="Mumps" />
49         <display value="Mumps" />
50     </concept>
51     <concept>
```

```
52        <code value="Masern" />
53        <display value="Masern" />
54      </concept>
55      <concept>
56        <code value="Varizellen-Windpocken" />
57        <display value="Varizellen/Windpocken" />
58      </concept>
59    </CodeSystem>
```

33. KBV_CS_MIO_VACCINATION_SOURCE_OF_INFORMATION_GERMAN

KBV_CS_MIO_Vaccination_Source_of_Information_German

```
1  <CodeSystem xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Source_of_Information_German" />
3      <version value="1.00.000" />
4      <name value="KBV_CS_MIO_Vaccination_Source_of_Information_German" />
5      <status value="active" />
6      <experimental value="false" />
7      <date value="2019-11-14" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <contact>
10         <telecom>
11             <system value="url" />
12             <value value="http://www.kbv.de" />
13         </telecom>
14     </contact>
15     <description value="Dieses Codesystem enthält die Codes für deutsche
   Bezeichner der Quelle der Information" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved." />
17     <caseSensitive value="true" />
18     <content value="complete" />
19     <concept>
20         <code value="Unbekannt" />
21         <display value="Unbekannt" />
22     </concept>
23     <concept>
24         <code value="Sonstige-Person" />
25         <display value="Sonstige Person" />
26     </concept>
27     <concept>
28         <code value="Angehoeriger" />
29         <display value="Angehöriger" />
30     </concept>
31     <concept>
32         <code value="Arzt-Aerztin" />
33         <display value="Arzt/ Ärztin" />
34     </concept>
35     <concept>
36         <code value="Patient" />
37         <display value="Patient" />
38     </concept>
39  </CodeSystem>
```

34. KBV_CS_MIO_VACCINATION_TARGETDISEASE_GERMAN

KBV_CS_MIO_Vaccination_Targetdisease_German

```xml
1   <CodeSystem xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_Targetdisease_German" />
3       <version value="1.00.000" />
4       <name value="KBV_CS_MIO_Vaccination_Targetdisease_German" />
5       <status value="active" />
6       <experimental value="false" />
7       <date value="2019-11-14" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <contact>
10          <telecom>
11              <system value="url" />
12              <value value="http://www.kbv.de" />
13          </telecom>
14      </contact>
15      <description value="Dieses Codesystem enthält die Codes für deutsche
    Bezeichner der impfrelevanten Erkrankungen, die nicht in Alpha-ID verfügbar
    sind" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <caseSensitive value="true" />
18      <content value="complete" />
19      <concept>
20          <code value="Notwendigkeit-Immunglobulingabe" />
21          <display value="Notwendigkeit für Immunglobulingabe (normal,
    human)" />
22      </concept>
23      <concept>
24          <code value="Infektionskrankheit-unspezifiziert" />
25          <display value="Infektionskrankheit (unspezifiziert)" />
26      </concept>
27  </CodeSystem>
```

35. KBV_CS_MIO_VACCINATION_TECHNICAL_ENTRY_TYPE

KBV_CS_MIO_Vaccination_Technical_Entry_Type

```xml
1   <CodeSystem xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_Technical_Entry_Type" />
3       <version value="1.00.000" />
4       <name value="KBV_CS_MIO_Vaccination_Technical_Entry_Type" />
5       <status value="active" />
6       <experimental value="false" />
7       <date value="2019-11-14" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <contact>
10          <telecom>
11              <system value="url" />
12              <value value="http://www.kbv.de" />
13          </telecom>
14      </contact>
15      <description value="Dieses Codesystem enthält die Codes zur technischen
    Unterscheidung eines Impfeintrages" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <caseSensitive value="true" />
18      <content value="complete" />
19      <concept>
20          <code value="End" />
21          <display value="Eintrag nur digital" />
22      </concept>
23      <concept>
24          <code value="Eduai" />
25          <display value="Eintrag digital und als Impfbescheinigung" />
26      </concept>
27      <concept>
28          <code value="Eduii" />
29          <display value="Eintrag digital und im Impfausweis" />
30      </concept>
31  </CodeSystem>
```

36. KBV_CS_MIO_VACCINATION_VACCINE_GERMAN

KBV_CS_MIO_Vaccination_Vaccine_German

```xml
1   <CodeSystem xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_MIO_Vaccination_Vaccine_German" />
3       <version value="1.00.000" />
4       <name value="KBV_CS_MIO_Vaccination_Vaccine_German" />
5       <status value="active" />
6       <experimental value="false" />
7       <date value="2019-11-14" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <contact>
10          <telecom>
11              <system value="url" />
12              <value value="http://www.kbv.de" />
13          </telecom>
14      </contact>
15      <description value="Dieses Codesystem enthält die Codes für deutsche
    Bezeichner der Impfstoffe" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <caseSensitive value="true" />
18      <content value="complete" />
19      <concept>
20          <code value="Mumps-Impfstoff" />
21          <display value="Mumps-Impfstoff" />
22      </concept>
23      <concept>
24          <code value="Rota-Impfstoff" />
25          <display value="Rota-Impfstoff" />
26      </concept>
27      <concept>
28          <code value="Varizellen-Impfstoff" />
29          <display value="Varizellen-Impfstoff" />
30      </concept>
31      <concept>
32          <code value="Herpes-Zoster-Lebendimpfstoff" />
33          <display value="Herpes Zoster-Lebendimpfstoff" />
34      </concept>
35      <concept>
36          <code value="Herpes-Zoster-Totimpfstoff" />
37          <display value="Herpes Zoster-Totimpfstoff" />
38      </concept>
39      <concept>
40          <code value="Tollwut-Impfstoff" />
41          <display value="Tollwut-Impfstoff" />
42      </concept>
43      <concept>
44          <code value="Polio-Impfstoff" />
45          <display value="Polio-Impfstoff" />
46      </concept>
47      <concept>
48          <code value="FSME-Impfstoff" />
49          <display value="FSME-Impfstoff" />
50      </concept>
51      <concept>
```

```xml
            <code value="Japanische-Enzephalitis-Impfstoff" />
            <display value="Japanische Enzephalitis-Impfstoff" />
        </concept>
        <concept>
            <code value="DiphtherieHaemophilus influenzae B-Pertussis-Tetanus-
Hepatitis B-Meningokokken A + C-Impfstoff" />
            <display value="Diphtherie, Haemophilus influenzae B, Pertussis,
Tetanus, Hepatitis B, Meningokokken A + C-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-Hepatitis-
B-Impfstoff" />
            <display value="Diphtherie-Pertussis, Poliomyelitis, Tetanus,
Hepatitis B-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-Tetanus-
Hepatitis-B-Impfstoff" />
            <display value="Diphtherie-Haemophilus influenzae B, Pertussis,
Tetanus, Hepatitis B-Impfstoff" />
        </concept>
        <concept>
            <code value="Typhus-Hepatitis-A-Impfstoff" />
            <display value="Typhus-Hepatitis A-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
Poliomyelitis-Tetanus-Hepatitis-B-Impfstoff" />
            <display value="Diphtherie-Haemophilus influenzae B-Pertussis,
Poliomyelitis, Tetanus, Hepatitis B-Impfstoff" />
        </concept>
        <concept>
            <code value="Haemophilus-influenzae-B-Hepatitis-B-Impfstoff" />
            <display value="Haemophilus influenzae B, Hepatitis B-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Hepatitis-B-Tetanus-Impfstoff" />
            <display value="Diphtherie, Hepatitis B, Tetanus-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
Poliomyelitis-Tetanus-Impfstoff" />
            <display value="Diphtherie-Haemophilus influenzae B, Pertussis,
Poliomyelitis, Tetanus-Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Hepatitis-B-Pertussis-Tetanus-Impfstoff" />
            <display value="Diphtherie, Hepatitis B, Pertussis, Tetanus-
Impfstoff" />
        </concept>
        <concept>
            <code value="Haemophilus-influenzae-B-Poliomyelitis-Impfstoff" />
            <display value="Haemophilus influenzae B, Poliomyelitis-
Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Roeteln-Tetanus-Impfstoff" />
            <display value="Diphtherie, Röteln, Tetanus-Impfstoff" />
        </concept>
        <concept>
```

```xml
            <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
Impfstoff" />
            <display value="Diphtherie, Pertussis, Poliomyelitis, Tetanus-
Impfstoff" />
        </concept>
        <concept>
            <code value="Diphtherie-Poliomyelitis-Tetanus-Impfstoff" />
            <display value="Diphtherie, Poliomyelitis, Tetanus-Impfstoff" />
        </concept>
        <concept>
            <code value="Roeteln-Mumps-Impfstoff" />
            <display value="Röteln, Mumps-Impfstoff" />
        </concept>
        <concept>
            <code value="Masern-Mumps-Roeteln-Varicella-Impfstoff" />
            <display value="Masern, Mumps, Röteln, Varicella-Impfstoff" />
        </concept>
        <concept>
            <code value="Masern-Roeteln-Impfstoff" />
            <display value="Masern, Röteln-Impfstoff" />
        </concept>
        <concept>
            <code value="Masern-Mumps-Roeteln-Impfstoff" />
            <display value="Masern, Mumps, Röteln (MMR) - Impfstoff" />
        </concept>
        <concept>
            <code value="Masern-Mumps-Impfstoff" />
            <display value="Masern, Mumps-Impfstoff" />
        </concept>
        <concept>
            <code value="Hepatitis-A-und-B-Impfstoff" />
            <display value="Hepatitis A und B-Impfstoff" />
        </concept>
        <concept>
            <code value="Tetanus-Diphtherie-Impfstoff" />
            <display value="Tetanus, Diphtherie-Impfstoff" />
        </concept>
        <concept>
            <code value="Pneumokokken-Haemophilus-influenzae-B-Impfstoff" />
            <display value="Pneumokokken, Haemophilus influenzae B-Impfstoff" /
>
        </concept>
        <concept>
            <code value="Haemophilus-influenzae-B-Meningokokken-C-Impfstoff" />
            <display value="Haemophilus influenzae B, Meningokokken C-
Impfstoff" />
        </concept>
        <concept>
            <code value="Haemophilus-influenzae-B-Pertussis-Impfstoff" />
            <display value="Haemophilus influenzae B, Pertussis-Impfstoff" />
        </concept>
        <concept>
            <code value="Cholera-Typhus-Impfstoff" />
            <display value="Cholera, Typhus-Impfstoff" />
        </concept>
        <concept>
            <code value="Pockenimpfstoff" />
            <display value="Pockenimpfstoff" />
        </concept>
        <concept>
```

```xml
156              <code value="HPV-Impfstoff" />
157              <display value="HPV Impfstoff" />
158          </concept>
159          <concept>
160              <code value="Gelbfieberimpfstoff" />
161              <display value="Gelbfieberimpfstoff" />
162          </concept>
163          <concept>
164              <code value="Roetelnimpfstoff" />
165              <display value="Rötelnimpfstoff" />
166          </concept>
167          <concept>
168              <code value="Masernimpfstoff" />
169              <display value="Masernimpfstoff" />
170          </concept>
171          <concept>
172              <code value="Hepatitis-A-Impfstoff" />
173              <display value="Hepatitis A Impfstoff" />
174          </concept>
175          <concept>
176              <code value="Hepatitis-B-Impfstoff" />
177              <display value="Hepatitis B Impfstoff" />
178          </concept>
179          <concept>
180              <code value="Influenzaimpfstoff" />
181              <display value="Influenzaimpfstoff" />
182          </concept>
183          <concept>
184              <code value="Typhusimpfstoff" />
185              <display value="Typhusimpfstoff" />
186          </concept>
187          <concept>
188              <code value="Typhus-exanthematicus-Impfstoff" />
189              <display value="Typhus (exanthematicus)-Impfstoff" />
190          </concept>
191          <concept>
192              <code value="Tuberkuloseimpfstoff" />
193              <display value="Tuberkuloseimpfstoff" />
194          </concept>
195          <concept>
196              <code value="Tetanusimpfstoff" />
197              <display value="Tetanusimpfstoff" />
198          </concept>
199          <concept>
200              <code value="Pneumokokkenimpfstoff" />
201              <display value="Pneumokokkenimpfstoff" />
202          </concept>
203          <concept>
204              <code value="Pestimpfstoff" />
205              <display value="Pestimpfstoff" />
206          </concept>
207          <concept>
208              <code value="Pertussisimpfstoff" />
209              <display value="Pertussisimpfstoff" />
210          </concept>
211          <concept>
212              <code value="Pertussis-gereinigtes Antigen-Kombinationen-mit-
     Toxoiden" />
213              <display value="Pertussis, gereinigtes Antigen, Kombinationen mit
     Toxoiden" />
```

```
214            </concept>
215            <concept>
216                <code value="Meningokokkenimpfstoff" />
217                <display value="Meningokokkenimpfstoff" />
218            </concept>
219            <concept>
220                <code value="Haemophilus-influenzae-B-Impfstoff" />
221                <display value="Haemophilus influenzae B Impfstoff" />
222            </concept>
223            <concept>
224                <code value="Diphtherieimpfstoff" />
225                <display value="Diphtherieimpfstoff" />
226            </concept>
227            <concept>
228                <code value="Choleraimpfstoff" />
229                <display value="Choleraimpfstoff" />
230            </concept>
231            <concept>
232                <code value="Brucelloseimpfstoff" />
233                <display value="Brucelloseimpfstoff" />
234            </concept>
235            <concept>
236                <code value="Milzbrandimpfstoff" />
237                <display value="Milzbrandimpfstoff" />
238            </concept>
239            <concept>
240                <code value="Immunglobuline-normal-human" />
241                <display value="Immunglobuline (normal human)" />
242            </concept>
243            <concept>
244                <code value="Anti-D-Immunglobulin" />
245                <display value="Anti-D(rh)-Immunglobulin" />
246            </concept>
247            <concept>
248                <code value="Tetanus-Immunglobulin" />
249                <display value="Tetanus-Immunglobulin" />
250            </concept>
251            <concept>
252                <code value="Varicella-Zoster-Immunglobulin" />
253                <display value="Varicella/Zoster-Immunglobulin" />
254            </concept>
255            <concept>
256                <code value="Hepatitis-B-Immunglobulin" />
257                <display value="Hepatitis-B-Immunglobulin" />
258            </concept>
259            <concept>
260                <code value="Tollwut-Immunglobulin" />
261                <display value="Tollwut-Immunglobulin" />
262            </concept>
263            <concept>
264                <code value="Cytomegalievirus-Immunglobulin" />
265                <display value="Cytomegalievirus-Immunglobulin" />
266            </concept>
267            <concept>
268                <code value="Palivizumab" />
269                <display value="Palivizumab" />
270            </concept>
271            <concept>
272                <code value="Bezlotoxumab" />
273                <display value="Bezlotoxumab" />
```

```
274        </concept>
275        <concept>
276            <code value="Impfstoffe" />
277            <display value="Impfstoffe (unspezifiziert)" />
278        </concept>
279    </CodeSystem>
```

37. KBV_EX_MIO_VACCINATION_ADDITIONAL_COMMENT

KBV_EX_MIO_Vaccination_Additional_Comment

```
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Additional_Comment" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Additional_Comment" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Element" />
20      </context>
21      <context>
22          <type value="element" />
23          <expression value="Patient" />
24      </context>
25      <context>
26          <type value="element" />
27          <expression value="Practitioner" />
28      </context>
29      <context>
30          <type value="element" />
31          <expression value="Organization" />
32      </context>
33      <type value="Extension" />
34      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
35      <derivation value="constraint" />
36      <differential>
37          <element id="Extension">
38              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
39                  <valueCode value="normative" />
40              </extension>
41              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
42                  <valueCode value="4.0.0" />
43              </extension>
44              <path value="Extension" />
45              <short value="Ergänzende Angaben" />
46              <definition value="Mit diesem Profil ist eine zusätzlicher
    Kommentar/Information definiert worden. Dieser kann an diverse Ressourcen
    hinzugefügt werden. Der Informationsgehalt der beinhaltenden Ressource darf
    nicht grundlegend verändert oder negiert werden." />
```

```
47              </element>
48          <element id="Extension.url">
49              <path value="Extension.url" />
50              <fixedUri value="https://fhir.kbv.de/StructureDefinition/
       KBV_EX_MIO_Vaccination_Additional_Comment" />
51          </element>
52          <element id="Extension.value[x]">
53              <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
54                  <valueCode value="normative" />
55              </extension>
56              <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
57                  <valueCode value="4.0.0" />
58              </extension>
59              <path value="Extension.value[x]" />
60              <slicing>
61                  <discriminator>
62                      <type value="type" />
63                      <path value="$this" />
64                  </discriminator>
65                  <rules value="open" />
66              </slicing>
67              <min value="1" />
68              <type>
69                  <code value="string" />
70              </type>
71          </element>
72          <element id="Extension.value[x]:valueString">
73              <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
74                  <valueCode value="normative" />
75              </extension>
76              <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
77                  <valueCode value="4.0.0" />
78              </extension>
79              <path value="Extension.valueString" />
80              <sliceName value="valueString" />
81              <min value="1" />
82              <type>
83                  <code value="string" />
84              </type>
85          </element>
86      </differential>
87  </StructureDefinition>
```

38. KBV_EX_MIO_VACCINATION_AGE_GROUPS

KBV_EX_MIO_Vaccination_Age_Groups

```
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Age_Groups" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Age_Groups" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Condition.onsetString" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="Lebensphase" />
34              <definition value="In dieser Extension wird die Lebensphase
    einer Person beschrieben." />
35          </element>
36          <element id="Extension.url">
37              <path value="Extension.url" />
38              <fixedUri value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Age_Groups" />
39          </element>
40          <element id="Extension.value[x]">
41              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
42                  <valueCode value="normative" />
43              </extension>
44              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
45                  <valueCode value="4.0.0" />
```

```xml
            </extension>
            <path value="Extension.value[x]" />
            <slicing>
                <discriminator>
                    <type value="type" />
                    <path value="$this" />
                </discriminator>
                <rules value="open" />
            </slicing>
            <min value="1" />
            <type>
                <code value="CodeableConcept" />
            </type>
            <binding>
                <strength value="required" />
                <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Age_Groups" />
            </binding>
        </element>
        <element id="Extension.value[x]:valueCodeableConcept">
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                <valueCode value="normative" />
            </extension>
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                <valueCode value="4.0.0" />
            </extension>
            <path value="Extension.value[x]" />
            <sliceName value="valueCodeableConcept" />
            <min value="1" />
            <type>
                <code value="CodeableConcept" />
            </type>
            <binding>
                <strength value="required" />
                <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Age_Groups" />
            </binding>
        </element>
        <element id="Extension.value[x]:valueCodeableConcept.coding">
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                <valueCode value="normative" />
            </extension>
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                <valueCode value="4.0.0" />
            </extension>
            <path value="Extension.value[x].coding" />
            <min value="1" />
            <max value="1" />
        </element>
        <element id="Extension.value[x]:valueCodeableConcept.coding.system">
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                <valueCode value="normative" />
            </extension>
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
```

```
 98                    <valueCode value="4.0.0" />
 99                </extension>
100                <path value="Extension.value[x].coding.system" />
101                <min value="1" />
102            </element>
103            <element id="Extension.value[x]:valueCodeableConcept.coding.version
     ">
104                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
105                    <valueCode value="normative" />
106                </extension>
107                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
108                    <valueCode value="4.0.0" />
109                </extension>
110                <path value="Extension.value[x].coding.version" />
111                <min value="1" />
112            </element>
113            <element id="Extension.value[x]:valueCodeableConcept.coding.code">
114                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
115                    <valueCode value="normative" />
116                </extension>
117                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
118                    <valueCode value="4.0.0" />
119                </extension>
120                <path value="Extension.value[x].coding.code" />
121                <min value="1" />
122            </element>
123            <element id="Extension.value[x]:valueCodeableConcept.coding.display
     ">
124                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
125                    <valueCode value="normative" />
126                </extension>
127                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
128                    <valueCode value="4.0.0" />
129                </extension>
130                <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
131                    <valueBoolean value="true" />
132                </extension>
133                <path value="Extension.value[x].coding.display" />
134                <min value="1" />
135            </element>
136            <element id="Extension.value[x]:valueCodeableConcept.coding.userSel
     ected">
137                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
138                    <valueCode value="normative" />
139                </extension>
140                <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
141                    <valueCode value="4.0.0" />
142                </extension>
143                <path value="Extension.value[x].coding.userSelected" />
144                <max value="0" />
145            </element>
```

```xml
            <element id="Extension.value[x]:valueCodeableConcept.text">
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                    <valueCode value="normative" />
                </extension>
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                    <valueCode value="4.0.0" />
                </extension>
                <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                    <valueBoolean value="true" />
                </extension>
                <path value="Extension.value[x].text" />
                <short value="Code auf deutsch" />
                <definition value="In diesem Attribut sollen die entsprechende
deutsche Bezeichnung des Snomed-Codes aus der Conceptmap eingetragen
werden, also in diesem Fall den Displaynamen des Targetsystems aus https://
fhir.kbv.de/ConceptMap/KBV_CM_MIO_Vaccination_Age_Group_German" />
                <min value="1" />
            </element>
        </differential>
</StructureDefinition>
```

39. KBV_EX_MIO_VACCINATION_ATTESTER

KBV_EX_MIO_Vaccination_Attester

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Attester" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Attester" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Immunization" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="Attester" />
34              <definition value="In diesem Profil soll die Möglichkeit
    geschaffen werden einen Attestierenden (Verantwortliche Person) an eine
    Ressource (Immunization) anzuhängen (self-contained)." />
35          </element>
36          <element id="Extension.extension">
37              <path value="Extension.extension" />
38              <slicing>
39                  <discriminator>
40                      <type value="value" />
41                      <path value="url" />
42                  </discriminator>
43                  <rules value="open" />
44              </slicing>
45          </element>
46          <element id="Extension.extension:mode">
```

```
47          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-standards-status">
48              <valueCode value="normative" />
49          </extension>
50          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-normative-version">
51              <valueCode value="4.0.0" />
52          </extension>
53          <path value="Extension.extension" />
54          <sliceName value="mode" />
55          <min value="1" />
56          <max value="1" />
57      </element>
58      <element id="Extension.extension:mode.url">
59          <path value="Extension.extension.url" />
60          <fixedUri value="mode" />
61      </element>
62      <element id="Extension.extension:mode.value[x]">
63          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-standards-status">
64              <valueCode value="normative" />
65          </extension>
66          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-normative-version">
67              <valueCode value="4.0.0" />
68          </extension>
69          <path value="Extension.extension.value[x]" />
70          <slicing>
71              <discriminator>
72                  <type value="type" />
73                  <path value="$this" />
74              </discriminator>
75              <rules value="open" />
76          </slicing>
77          <min value="1" />
78          <type>
79              <code value="CodeableConcept" />
80          </type>
81      </element>
82      <element id="Extension.extension:mode.value[x]:valueCodeableConcept
      ">
83          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-standards-status">
84              <valueCode value="normative" />
85          </extension>
86          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-normative-version">
87              <valueCode value="4.0.0" />
88          </extension>
89          <path value="Extension.extension.value[x]" />
90          <sliceName value="valueCodeableConcept" />
91          <type>
92              <code value="CodeableConcept" />
93          </type>
94      </element>
95      <element id="Extension.extension:mode.value[x]:valueCodeableConcept
      .coding">
96          <extension url="http://hl7.org/fhir/StructureDefinition/
      structuredefinition-standards-status">
97              <valueCode value="normative" />
```

```
 98                    </extension>
 99                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
100                        <valueCode value="4.0.0" />
101                    </extension>
102                    <path value="Extension.extension.value[x].coding" />
103                    <min value="1" />
104                    <max value="1" />
105                </element>
106                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
        .coding.system">
107                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
108                        <valueCode value="normative" />
109                    </extension>
110                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
111                        <valueCode value="4.0.0" />
112                    </extension>
113                    <path value="Extension.extension.value[x].coding.system" />
114                    <min value="1" />
115                    <fixedUri value="http://hl7.org/fhir/composition-attestation-
        mode" />
116                </element>
117                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
        .coding.code">
118                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
119                        <valueCode value="normative" />
120                    </extension>
121                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
122                        <valueCode value="4.0.0" />
123                    </extension>
124                    <path value="Extension.extension.value[x].coding.code" />
125                    <min value="1" />
126                    <fixedCode value="legal" />
127                </element>
128                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
        .coding.userSelected">
129                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
130                        <valueCode value="normative" />
131                    </extension>
132                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
133                        <valueCode value="4.0.0" />
134                    </extension>
135                    <path value="Extension.extension.value[x].coding.userSelected"
        />
136                    <max value="0" />
137                </element>
138                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
        .text">
139                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
140                        <valueCode value="normative" />
141                    </extension>
142                    <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
```

```
143              <valueCode value="4.0.0" />
144          </extension>
145          <extension url="http://hl7.org/fhir/StructureDefinition/
       elementdefinition-translatable">
146              <valueBoolean value="true" />
147          </extension>
148          <path value="Extension.extension.value[x].text" />
149          <max value="0" />
150      </element>
151      <element id="Extension.extension:party">
152          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
153              <valueCode value="normative" />
154          </extension>
155          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
156              <valueCode value="4.0.0" />
157          </extension>
158          <path value="Extension.extension" />
159          <sliceName value="party" />
160          <min value="1" />
161          <max value="1" />
162      </element>
163      <element id="Extension.extension:party.url">
164          <path value="Extension.extension.url" />
165          <fixedUri value="party" />
166      </element>
167      <element id="Extension.extension:party.value[x]">
168          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
169              <valueCode value="normative" />
170          </extension>
171          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
172              <valueCode value="4.0.0" />
173          </extension>
174          <path value="Extension.extension.value[x]" />
175          <slicing>
176              <discriminator>
177                  <type value="type" />
178                  <path value="$this" />
179              </discriminator>
180              <rules value="open" />
181          </slicing>
182          <min value="1" />
183          <type>
184              <code value="Reference" />
185              <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole" />
186              <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
187          </type>
188      </element>
189      <element id="Extension.extension:party.value[x]:valueReference">
190          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
191              <valueCode value="normative" />
192          </extension>
193          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
```

```
194                    <valueCode value="4.0.0" />
195                </extension>
196                <path value="Extension.extension.value[x]" />
197                <sliceName value="valueReference" />
198                <min value="1" />
199                <type>
200                    <code value="Reference" />
201                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole" />
202                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
203                </type>
204            </element>
205            <element id="Extension.extension:party.value[x]:valueReference.refe
        rence">
206                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
207                    <valueCode value="normative" />
208                </extension>
209                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
210                    <valueCode value="4.0.0" />
211                </extension>
212                <path value="Extension.extension.value[x].reference" />
213                <min value="1" />
214            </element>
215            <element id="Extension.extension:party.value[x]:valueReference.type
        ">
216                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
217                    <valueCode value="normative" />
218                </extension>
219                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
220                    <valueCode value="4.0.0" />
221                </extension>
222                <path value="Extension.extension.value[x].type" />
223                <max value="0" />
224            </element>
225            <element id="Extension.extension:party.value[x]:valueReference.iden
        tifier">
226                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
227                    <valueCode value="normative" />
228                </extension>
229                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
230                    <valueCode value="4.0.0" />
231                </extension>
232                <path value="Extension.extension.value[x].identifier" />
233                <max value="0" />
234            </element>
235            <element id="Extension.extension:party.value[x]:valueReference.disp
        lay">
236                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
237                    <valueCode value="normative" />
238                </extension>
239                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
```

```xml
                <valueCode value="4.0.0" />
            </extension>
            <extension url="http://hl7.org/fhir/StructureDefinition/
elementdefinition-translatable">
                <valueBoolean value="true" />
            </extension>
            <path value="Extension.extension.value[x].display" />
            <max value="0" />
        </element>
        <element id="Extension.url">
            <path value="Extension.url" />
            <fixedUri value="https://fhir.kbv.de/StructureDefinition/
KBV_EX_MIO_Vaccination_Attester" />
        </element>
        <element id="Extension.value[x]">
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                <valueCode value="normative" />
            </extension>
            <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                <valueCode value="4.0.0" />
            </extension>
            <path value="Extension.value[x]" />
            <max value="0" />
        </element>
    </differential>
</StructureDefinition>
```

40. KBV_EX_MIO_VACCINATION_BASIC_IMMUNIZATION

KBV_EX_MIO_Vaccination_Basic_Immunization

```
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Basic_Immunization" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Basic_Immunization" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Immunization.protocolApplied" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="Grundimmunisierung" />
34              <definition value="Information, ob die Grundimmunisierung gegen
    eine bestimmte Erkrankung (z.B. nach STIKO Empfehlung) abgeschlossen ist
    und damit eine Immunität vorliegt. Dies dient als Alternative zum Übertrag
    aller vorangegangener Impfungen einer Serie aus dem Papierausweis in den
    elektronischen Impfpass. Ziel ist eine möglichst lückenlose Information zu
    vorangegangenen Impfungen bzw. dem daraus resultierenden Immunstatus.
35
36  True = Impfserie abgeschlossen
37  False = Impfserie nicht abgeschlossen" />
38          </element>
39          <element id="Extension.url">
40              <path value="Extension.url" />
41              <fixedUri value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Basic_Immunization" />
42          </element>
43          <element id="Extension.value[x]">
```

```
44          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
45              <valueCode value="normative" />
46          </extension>
47          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
48              <valueCode value="4.0.0" />
49          </extension>
50          <path value="Extension.value[x]" />
51          <slicing>
52              <discriminator>
53                  <type value="type" />
54                  <path value="$this" />
55              </discriminator>
56              <rules value="open" />
57          </slicing>
58          <min value="1" />
59          <type>
60              <code value="boolean" />
61          </type>
62      </element>
63      <element id="Extension.value[x]:valueBoolean">
64          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-standards-status">
65              <valueCode value="normative" />
66          </extension>
67          <extension url="http://hl7.org/fhir/StructureDefinition/
       structuredefinition-normative-version">
68              <valueCode value="4.0.0" />
69          </extension>
70          <path value="Extension.valueBoolean" />
71          <sliceName value="valueBoolean" />
72          <min value="1" />
73          <type>
74              <code value="boolean" />
75          </type>
76      </element>
77      </differential>
78  </StructureDefinition>
```

41. KBV_EX_MIO_VACCINATION_ENTERER

KBV_EX_MIO_Vaccination_Enterer

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Enterer" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Enterer" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Immunization" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="Attester" />
34              <definition value="In diesem Profil soll die Möglichkeit
    geschaffen werden einen Attestierenden (Verantwortliche Person) an eine
    Ressource (Immunization) anzuhängen (self-contained)." />
35          </element>
36          <element id="Extension.extension">
37              <path value="Extension.extension" />
38              <slicing>
39                  <discriminator>
40                      <type value="value" />
41                      <path value="url" />
42                  </discriminator>
43                  <rules value="open" />
44              </slicing>
45          </element>
46          <element id="Extension.extension:mode">
```

```xml
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                    <valueCode value="normative" />
                </extension>
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                    <valueCode value="4.0.0" />
                </extension>
                <path value="Extension.extension" />
                <sliceName value="mode" />
                <min value="1" />
                <max value="1" />
            </element>
            <element id="Extension.extension:mode.url">
                <path value="Extension.extension.url" />
                <fixedUri value="mode" />
            </element>
            <element id="Extension.extension:mode.value[x]">
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                    <valueCode value="normative" />
                </extension>
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                    <valueCode value="4.0.0" />
                </extension>
                <path value="Extension.extension.value[x]" />
                <slicing>
                    <discriminator>
                        <type value="type" />
                        <path value="$this" />
                    </discriminator>
                    <rules value="open" />
                </slicing>
                <min value="1" />
                <type>
                    <code value="CodeableConcept" />
                </type>
            </element>
            <element id="Extension.extension:mode.value[x]:valueCodeableConcept
">
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                    <valueCode value="normative" />
                </extension>
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                    <valueCode value="4.0.0" />
                </extension>
                <path value="Extension.extension.value[x]" />
                <sliceName value="valueCodeableConcept" />
                <type>
                    <code value="CodeableConcept" />
                </type>
            </element>
            <element id="Extension.extension:mode.value[x]:valueCodeableConcept
.coding">
                <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                    <valueCode value="normative" />
```

```
 98                    </extension>
 99                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-normative-version">
100                        <valueCode value="4.0.0" />
101                    </extension>
102                    <path value="Extension.extension.value[x].coding" />
103                    <min value="1" />
104                    <max value="1" />
105                </element>
106                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
            .coding.system">
107                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-standards-status">
108                        <valueCode value="normative" />
109                    </extension>
110                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-normative-version">
111                        <valueCode value="4.0.0" />
112                    </extension>
113                    <path value="Extension.extension.value[x].coding.system" />
114                    <min value="1" />
115                    <fixedUri value="http://terminology.hl7.org/CodeSystem/v3-
            ParticipationType" />
116                </element>
117                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
            .coding.code">
118                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-standards-status">
119                        <valueCode value="normative" />
120                    </extension>
121                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-normative-version">
122                        <valueCode value="4.0.0" />
123                    </extension>
124                    <path value="Extension.extension.value[x].coding.code" />
125                    <min value="1" />
126                    <fixedCode value="ENT" />
127                </element>
128                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
            .coding.userSelected">
129                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-standards-status">
130                        <valueCode value="normative" />
131                    </extension>
132                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-normative-version">
133                        <valueCode value="4.0.0" />
134                    </extension>
135                    <path value="Extension.extension.value[x].coding.userSelected"
            />
136                    <max value="0" />
137                </element>
138                <element id="Extension.extension:mode.value[x]:valueCodeableConcept
            .text">
139                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-standards-status">
140                        <valueCode value="normative" />
141                    </extension>
142                    <extension url="http://hl7.org/fhir/StructureDefinition/
            structuredefinition-normative-version">
```

```xml
143                    <valueCode value="4.0.0" />
144                </extension>
145                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
146                    <valueBoolean value="true" />
147                </extension>
148                <path value="Extension.extension.value[x].text" />
149                <max value="0" />
150            </element>
151            <element id="Extension.extension:party">
152                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
153                    <valueCode value="normative" />
154                </extension>
155                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
156                    <valueCode value="4.0.0" />
157                </extension>
158                <path value="Extension.extension" />
159                <sliceName value="party" />
160                <min value="1" />
161                <max value="1" />
162            </element>
163            <element id="Extension.extension:party.url">
164                <path value="Extension.extension.url" />
165                <fixedUri value="party" />
166            </element>
167            <element id="Extension.extension:party.value[x]">
168                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
169                    <valueCode value="normative" />
170                </extension>
171                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
172                    <valueCode value="4.0.0" />
173                </extension>
174                <path value="Extension.extension.value[x]" />
175                <slicing>
176                    <discriminator>
177                        <type value="type" />
178                        <path value="$this" />
179                    </discriminator>
180                    <rules value="open" />
181                </slicing>
182                <min value="1" />
183                <type>
184                    <code value="Reference" />
185                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole" />
186                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
187                </type>
188            </element>
189            <element id="Extension.extension:party.value[x]:valueReference">
190                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
191                    <valueCode value="normative" />
192                </extension>
193                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
```

```
194                    <valueCode value="4.0.0" />
195                </extension>
196                <path value="Extension.extension.value[x]" />
197                <sliceName value="valueReference" />
198                <min value="1" />
199                <type>
200                    <code value="Reference" />
201                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole" />
202                    <targetProfile value="https://fhir.kbv.de/
        StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
203                </type>
204            </element>
205            <element id="Extension.extension:party.value[x]:valueReference.refe
        rence">
206                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
207                    <valueCode value="normative" />
208                </extension>
209                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
210                    <valueCode value="4.0.0" />
211                </extension>
212                <path value="Extension.extension.value[x].reference" />
213                <min value="1" />
214            </element>
215            <element id="Extension.extension:party.value[x]:valueReference.type
        ">
216                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
217                    <valueCode value="normative" />
218                </extension>
219                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
220                    <valueCode value="4.0.0" />
221                </extension>
222                <path value="Extension.extension.value[x].type" />
223                <max value="0" />
224            </element>
225            <element id="Extension.extension:party.value[x]:valueReference.iden
        tifier">
226                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
227                    <valueCode value="normative" />
228                </extension>
229                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
230                    <valueCode value="4.0.0" />
231                </extension>
232                <path value="Extension.extension.value[x].identifier" />
233                <max value="0" />
234            </element>
235            <element id="Extension.extension:party.value[x]:valueReference.disp
        lay">
236                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
237                    <valueCode value="normative" />
238                </extension>
239                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
```

```
240                    <valueCode value="4.0.0" />
241                </extension>
242                <extension url="http://hl7.org/fhir/StructureDefinition/
        elementdefinition-translatable">
243                    <valueBoolean value="true" />
244                </extension>
245                <path value="Extension.extension.value[x].display" />
246                <max value="0" />
247            </element>
248            <element id="Extension.url">
249                <path value="Extension.url" />
250                <fixedUri value="https://fhir.kbv.de/StructureDefinition/
        KBV_EX_MIO_Vaccination_Enterer" />
251            </element>
252            <element id="Extension.value[x]">
253                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-standards-status">
254                    <valueCode value="normative" />
255                </extension>
256                <extension url="http://hl7.org/fhir/StructureDefinition/
        structuredefinition-normative-version">
257                    <valueCode value="4.0.0" />
258                </extension>
259                <path value="Extension.value[x]" />
260                <max value="0" />
261            </element>
262        </differential>
263    </StructureDefinition>
```

42. KBV_EX_MIO_VACCINATION_ENTRY_TYPE

KBV_EX_MIO_Vaccination_Entry_Type

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Entry_Type" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Entry_Type" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Immunization" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="In dieser Extension wird der Typ des Eintrages
    definiert" />
34              <definition value="In diesem Profil soll der Typ des
    Impfeintrages in der Abstufung von nur digital bis digital und als
    Impfausweis definiert werden. \n\nEintrag nur digital \nEintrag digital und
    als Impfbescheinigung \nEintrag digital und im Impfausweis" />
35          </element>
36          <element id="Extension.url">
37              <path value="Extension.url" />
38              <fixedUri value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Entry_Type" />
39          </element>
40          <element id="Extension.value[x]">
41              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
42                  <valueCode value="normative" />
43              </extension>
```

```xml
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.value[x]" />
                    <slicing>
                        <discriminator>
                            <type value="type" />
                            <path value="$this" />
                        </discriminator>
                        <rules value="open" />
                    </slicing>
                    <min value="1" />
                </element>
                <element id="Extension.value[x]:valueCodeableConcept">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                        <valueCode value="normative" />
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.valueCodeableConcept" />
                    <sliceName value="valueCodeableConcept" />
                    <min value="1" />
                    <type>
                        <code value="CodeableConcept" />
                    </type>
                    <binding>
                        <strength value="required" />
                        <valueSet value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_Entry_Type" />
                    </binding>
                </element>
                <element id="Extension.value[x]:valueCodeableConcept.coding">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                        <valueCode value="normative" />
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.valueCodeableConcept.coding" />
                    <min value="1" />
                    <max value="1" />
                </element>
                <element id="Extension.value[x]:valueCodeableConcept.coding.system">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                        <valueCode value="normative" />
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.valueCodeableConcept.coding.system" />
                    <min value="1" />
                </element>
```

```
 96              <element id="Extension.value[x]:valueCodeableConcept.coding.code">
 97                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
 98                      <valueCode value="normative" />
 99                  </extension>
100                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
101                      <valueCode value="4.0.0" />
102                  </extension>
103                  <path value="Extension.valueCodeableConcept.coding.code" />
104                  <min value="1" />
105              </element>
106              <element id="Extension.value[x]:valueCodeableConcept.coding.display
     ">
107                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
108                      <valueCode value="normative" />
109                  </extension>
110                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
111                      <valueCode value="4.0.0" />
112                  </extension>
113                  <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
114                      <valueBoolean value="true" />
115                  </extension>
116                  <path value="Extension.valueCodeableConcept.coding.display" />
117                  <min value="1" />
118              </element>
119              <element id="Extension.value[x]:valueCodeableConcept.text">
120                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-standards-status">
121                      <valueCode value="normative" />
122                  </extension>
123                  <extension url="http://hl7.org/fhir/StructureDefinition/
     structuredefinition-normative-version">
124                      <valueCode value="4.0.0" />
125                  </extension>
126                  <extension url="http://hl7.org/fhir/StructureDefinition/
     elementdefinition-translatable">
127                      <valueBoolean value="true" />
128                  </extension>
129                  <path value="Extension.valueCodeableConcept.text" />
130                  <max value="0" />
131              </element>
132          </differential>
133      </StructureDefinition>
```

43. KBV_EX_MIO_VACCINATION_FOLLOW_UP

KBV_EX_MIO_Vaccination_Follow_Up

```xml
1   <StructureDefinition xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Follow_Up" />
3       <version value="1.00.000" />
4       <name value="KBV_EX_MIO_Vaccination_Follow_Up" />
5       <status value="active" />
6       <date value="2020-05-19" />
7       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8       <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
9       <fhirVersion value="4.0.1" />
10      <mapping>
11          <identity value="rim" />
12          <uri value="http://hl7.org/v3" />
13          <name value="RIM Mapping" />
14      </mapping>
15      <kind value="complex-type" />
16      <abstract value="false" />
17      <context>
18          <type value="element" />
19          <expression value="Immunization.protocolApplied" />
20      </context>
21      <type value="Extension" />
22      <baseDefinition value="http://hl7.org/fhir/StructureDefinition/
    Extension" />
23      <derivation value="constraint" />
24      <differential>
25          <element id="Extension">
26              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
27                  <valueCode value="normative" />
28              </extension>
29              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
30                  <valueCode value="4.0.0" />
31              </extension>
32              <path value="Extension" />
33              <short value="Folgetermin" />
34              <definition value="In diesem Profil kann ein Terminvorschlag
    für eine notwendige Folge- oder Auffrischimpfung angegeben werden. Im Falle
    von folgenden Impfserien, können auch mehrere Daten angegeben werden." />
35          </element>
36          <element id="Extension.url">
37              <path value="Extension.url" />
38              <fixedUri value="https://fhir.kbv.de/StructureDefinition/
    KBV_EX_MIO_Vaccination_Follow_Up" />
39          </element>
40          <element id="Extension.value[x]">
41              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-standards-status">
42                  <valueCode value="normative" />
43              </extension>
44              <extension url="http://hl7.org/fhir/StructureDefinition/
    structuredefinition-normative-version">
```

```xml
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.value[x]" />
                    <slicing>
                        <discriminator>
                            <type value="type" />
                            <path value="$this" />
                        </discriminator>
                        <rules value="open" />
                    </slicing>
                    <min value="1" />
                    <type>
                        <code value="dateTime" />
                    </type>
                </element>
                <element id="Extension.value[x]:valueDateTime">
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-standards-status">
                        <valueCode value="normative" />
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/
structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
                    </extension>
                    <path value="Extension.valueDateTime" />
                    <sliceName value="valueDateTime" />
                    <min value="1" />
                    <type>
                        <code value="dateTime" />
                    </type>
                </element>
            </differential>
        </StructureDefinition>
```

44. KBV_VS_MIO_VACCINATION_AGE_GROUPS

KBV_VS_MIO_Vaccination_Age_Groups

```xml
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Age_Groups" />
3       <version value="1.00.000" />
4       <name value="KBV_VS_MIO_Vaccination_Age_Groups" />
5       <title value="age groups" />
6       <status value="active" />
7       <experimental value="false" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <description value="Dieses Valueset enthält die Codes zur Beschreibung
    von Altersklassen/Lebensphasen" />
10      <immutable value="false" />
11      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
    All rights reserved. SNOMED CT®, was originally created by The College of
    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
12      <compose>
13          <include>
14              <system value="http://snomed.info/sct" />
15              <concept>
16                  <code value="271872005" />
17                  <display value="Old age (qualifier value)" />
18              </concept>
19              <concept>
20                  <code value="41847000" />
21                  <display value="Adulthood (qualifier value)" />
22              </concept>
23              <concept>
24                  <code value="263659003" />
25                  <display value="Adolescence (qualifier value)" />
26              </concept>
27              <concept>
28                  <code value="255398004" />
29                  <display value="Childhood (qualifier value)" />
30              </concept>
31              <concept>
32                  <code value="713153009" />
33                  <display value="Toddler (qualifier value)" />
34              </concept>
35              <concept>
36                  <code value="3658006" />
37                  <display value="Infancy (qualifier value)" />
38              </concept>
39          </include>
40      </compose>
41  </ValueSet>
```

45. KBV_VS_MIO_VACCINATION_ENTRY_TYPE

KBV_VS_MIO_Vaccination_Entry_Type

```xml
1  <ValueSet xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ValueSet/
   KBV_VS_MIO_Vaccination_Entry_Type" />
3      <version value="1.00.000" />
4      <name value="KBV_VS_MIO_Vaccination_Entry_Type" />
5      <status value="active" />
6      <experimental value="false" />
7      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
8      <immutable value="false" />
9      <compose>
10         <include>
11             <system value="https://fhir.kbv.de/CodeSystem/
   KBV_CS_MIO_Vaccination_Technical_Entry_Type" />
12         </include>
13     </compose>
14 </ValueSet>
```

46. KBV_VS_MIO_VACCINATION_IMMUNIZATIONORIGINCODES

KBV_VS_MIO_Vaccination_ImmunizationOriginCodes

```xml
<ValueSet xmlns="http://hl7.org/fhir">
    <url value="https://fhir.kbv.de/ValueSet/
KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
    <identifier>
        <use value="official" />
        <system value="http://art-decor.org/ns/oids/vs" />
        <value value="1.2.276.0.76.3.1.1.5.5.1.11.7" />
    </identifier>
    <version value="2019-09-30T13:22:56" />
    <name value="KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
    <title value="ImmunizationOriginCodes" />
    <status value="active" />
    <experimental value="false" />
    <publisher value="Kassenärztliche Bundesvereinigung" />
    <description value="ImmunizationOriginCodes" />
    <immutable value="false" />
    <compose>
        <include>
            <system value="http://hl7.org/fhir/ValueSet/immunization-
origin" />
            <concept>
                <code value="recall" />
                <display value="Parent/Guardian/Patient Recall" />
            </concept>
            <concept>
                <code value="record" />
                <display value="Written Record" />
            </concept>
            <concept>
                <code value="provider" />
                <display value="Other Provider" />
            </concept>
        </include>
    </compose>
</ValueSet>
```

47. KBV_VS_MIO_VACCINATION_LAB_IMMUNEREACTION_TEST_PRESENCE

KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence

```
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" />
3       <identifier>
4           <use value="official" />
5           <system value="http://art-decor.org/ns/oids/vs" />
6           <value value="1.2.276.0.76.3.1.1.5.5.1.11.9" />
7       </identifier>
8       <version value="1.00.000" />
9       <name value="KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" /
    >
10      <title value="Titerbezeichnung" />
11      <status value="active" />
12      <experimental value="false" />
13      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14      <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der Titerbestimmungen im Immunisierungsumfeld" />
15      <immutable value="false" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <compose>
18          <include>
19              <system value="http://loinc.org" />
20              <version value="2.67" />
21              <concept>
22                  <code value="22600-1" />
23                  <display value="Varicella zoster virus Ab [Presence] in
    Serum" />
24              </concept>
25              <concept>
26                  <code value="26643-7" />
27                  <display value="Clostridium tetani toxoid Ab [Presence] in
    Serum" />
28              </concept>
29              <concept>
30                  <code value="30546-6" />
31                  <display value="Polio virus 1 Ab [Presence] in Serum" />
32              </concept>
33              <concept>
34                  <code value="31998-8" />
35                  <display value="Bordetella pertussis Ab [Presence] in
    Serum" />
36              </concept>
37              <concept>
38                  <code value="31503-6" />
39                  <display value="Mumps virus Ab [Presence] in Serum" />
40              </concept>
41              <concept>
42                  <code value="17322-9" />
43                  <display value="Neisseria meningitidis Ab [Presence] in
    Serum" />
44              </concept>
45              <concept>
46                  <code value="46197-0" />
```

```
47                          <display value="Measles virus Ab [Presence] in Serum" />
48                      </concept>
49                      <concept>
50                          <code value="43429-0" />
51                          <display value="Haemophilus influenzae B Ag [Presence] in
    Serum" />
52                      </concept>
53                      <concept>
54                          <code value="5195-3" />
55                          <display value="Hepatitis B virus surface Ag [Presence] in
    Serum" />
56                      </concept>
57                      <concept>
58                          <code value="20575-7" />
59                          <display value="Hepatitis A virus Ab [Presence] in Serum" /
    >
60                      </concept>
61                      <concept>
62                          <code value="26630-4" />
63                          <display value="Corynebacterium diphtheriae toxin Ab
    [Presence] in Serum" />
64                      </concept>
65                      <concept>
66                          <code value="22496-4" />
67                          <display value="Rubella virus Ab [Presence] in Serum" />
68                      </concept>
69              </include>
70          </compose>
71      </ValueSet>
```

48. KBV_VS_MIO_VACCINATION_LAB_IMMUNEREACTION_TEST_PRESENCE_SNOMED

KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed

```xml
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed" />
3       <identifier>
4           <use value="official" />
5           <system value="http://art-decor.org/ns/oids/vs" />
6           <value value="1.2.276.0.76.3.1.1.5.5.1.11.9" />
7       </identifier>
8       <version value="1.00.000" />
9       <name value="KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Sn
    omed" />
10      <title value="Titerbezeichnung" />
11      <status value="active" />
12      <experimental value="false" />
13      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14      <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der Titerbestimmungen im Immunisierungsumfeld" />
15      <immutable value="false" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
    All rights reserved. SNOMED CT®, was originally created by The College of
    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
17      <compose>
18          <include>
19              <system value="http://snomed.info/sct" />
20              <version value="http://snomed.info/sct/900000000000207008/
    version/20200131" />
21              <concept>
22                  <code value="363787002:370134009=123029007,246093002=259833
    005,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
    9364003" />
23                  <display value="Observable entity (observable entity) :
    Component (attribute) = Varicella-zoster virus antibody (substance) , Time
    aspect (attribute) = Single point in time (qualifier value) , Scale type
    (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
    Plasma (substance) , Property type (attribute) = Presence (property)
    (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
24              </concept>
25              <concept>
26                  <code value="363787002:370134009=123029007,246093002=259833
    005,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
    9364003" />
27                  <display value="Observable entity (observable entity) :
    Time aspect (attribute) = Single point in time (qualifier value) ,
    Component (attribute) = Clostridium tetani toxoid antibody (substance) ,
    Scale type (attribute) = Ordinal value (qualifier value) , Inheres in
    (attribute) = Plasma (substance) , Property type (attribute) = Presence
    (property) (qualifier value) , Direct site (attribute) = Serum specimen
    (specimen)" />
28              </concept>
29              <concept>
```

```xml
                    <code value="363787002:370134009=123029007,246093002=120856
009,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
                    <display value="Observable entity (observable entity) :
Time aspect (attribute) = Single point in time (qualifier value) ,
Component (attribute) = Human poliovirus 1 antibody (substance) , Scale
type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
= Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                </concept>
                <concept>
                    <code value="363787002:246093002=120662001,370134009=123029
007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
                    <display value="Observable entity (observable entity):
Component (attribute) = Bordetella pertussis antibody (substance) , Time
aspect (attribute) = Single point in time (qualifier value) , Scale type
(attribute) = Ordinal value (qualifier value) ,  Inheres in (attribute) =
Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                </concept>
                <concept>
                    <code value="363787002:246093002=120721000,370134009=123029
007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
                    <display value="Observable entity (observable entity):
Component (attribute) = Mumps virus antibody (substance) , Time aspect
(attribute) = Single point in time (qualifier value) , Scale type
(attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                </concept>
                <concept>
                    <code value="363787002:370134009=123029007,246093002=120871
008,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
                    <display value="Observable entity (observable entity) :
Time aspect (attribute) = Single point in time (qualifier value) ,
Component (attribute) = Neisseria meningitidis antibody (substance) , Scale
type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
= Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                </concept>
                <concept>
                    <code value="363787002:370134009=123029007,246093002=120969
007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
                    <display value="Observable entity (observable entity) :
Time aspect (attribute) = Single point in time (qualifier value) ,
Component (attribute) = Measles virus antibody (substance) ,  Scale type
(attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
Plasma (substance) , Property type (attribute) = Presence (property)
(qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
                </concept>
                <concept>
                    <code value="363787002:246093002=120975003,370134009=123029
007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
9364003" />
```

```
51          <display value="Observable entity (observable entity):
     Component (attribute) = Antigen of Haemophilus influenzae type B
     (substance) , Time aspect (attribute) = Single point in time (qualifier
     value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres
     in (attribute) = Plasma (substance) , Property type (attribute) = Presence
     (property) (qualifier value) , Direct site (attribute) = Serum specimen
     (specimen)" />
52          </concept>
53          <concept>
54              <code value="363787002:370134009=123029007,370132008=117363
     000,704319004=50863008,246093002=22290004,704318007=705057003,704327008=119
     364003" />
55              <display value="Observable entity (observable entity) :
     Time aspect (attribute) = Single point in time (qualifier value) , Scale
     type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
     = Plasma (substance) , Component (attribute) = Surface antigen of Hepatitis
     B virus (substance) ,Property type (attribute) = Presence (property)
     (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
56          </concept>
57          <concept>
58              <code value="363787002:370134009=123029007,246093002=326090
     07,370132008=117363000,704319004=50863008,704318007=705057003,704327008=119
     364003" />
59              <display value="Observable entity (observable entity) :
     Time aspect (attribute) = Single point in time (qualifier value) ,
     Component (attribute) = Antibody to hepatitis A virus (substance) , Scale
     type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
     = Plasma (substance) , Property type (attribute) = Presence (property)
     (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
60          </concept>
61          <concept>
62              <code value="363787002:370134009=123029007,370132008=117363
     000,704319004=50863008,246093002=259834004,704318007=705057003,704327008=11
     9364003" />
63              <display value="Observable entity (observable entity) :
     Time aspect (attribute) = Single point in time (qualifier value) , Scale
     type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
     = Plasma (substance) , Component (attribute) = Corynebacterium diphtheriae
     toxoid antibody (substance) , Property type (attribute) = Presence
     (property) (qualifier value) , Direct site (attribute) = Serum specimen
     (specimen)" />
64          </concept>
65          <concept>
66              <code value="363787002:246093002=120737006,370134009=123029
     007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
67              <display value="Observable entity (observable entity):
     Component (attribute) = Rubella virus antibody (substance) ,  Time aspect
     (attribute) = Single point in time (qualifier value) , Scale type
     (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
     Plasma (substance) , Property type (attribute) = Presence (property)
     (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
68          </concept>
69          <concept>
70              <code value="268376005" />
71              <display value="Mantoux: positive (finding)" />
72          </concept>
73          <concept>
74              <code value="268375009" />
75              <display value="Mantoux: negative (finding)" />
```

```
76                </concept>
77                <concept>
78                    <code value="440662009" />
79                    <display value="Interferon gamma assay positive
     (finding)" />
80                </concept>
81                <concept>
82                    <code value="440661002" />
83                    <display value="Interferon gamma assay negative
     (finding)" />
84                </concept>
85            </include>
86        </compose>
87    </ValueSet>
```

49. KBV_VS_MIO_VACCINATION_LAB_TITER_IMMUNITY

KBV_VS_MIO_Vaccination_Lab_Titer_Immunity

```xml
1  <ValueSet xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ValueSet/
   KBV_VS_MIO_Vaccination_Lab_Titer_Immunity" />
3      <identifier>
4          <use value="official" />
5          <system value="http://art-decor.org/ns/oids/vs" />
6          <value value="1.2.276.0.76.3.1.1.5.5.1.11.12" />
7      </identifier>
8      <version value="2020-01-09T13:39:34" />
9      <name value="KBV_VS_MIO_Vaccination_Lab_Titer_Immunity" />
10     <title value="Titer Immunität" />
11     <status value="active" />
12     <experimental value="false" />
13     <publisher value="Kassenärztliche Bundesvereinigung" />
14     <description value="Das Valueset
   KBV_VS_MIO_Vaccination_Lab_Titer_Immunity enthält die Codes zur
   Beschreibung der Erreichung der Immunität einer Titeruntersuchung" />
15     <immutable value="false" />
16     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
   (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
   Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
17     <compose>
18         <include>
19             <system value="http://snomed.info/sct" />
20             <version value="http://snomed.info/sct/900000000000207008/
   version/20200131" />
21             <concept>
22                 <code value="365861007:363713009=260385009" />
23                 <display value="Finding of immune status (finding) : Has
   interpretation (attribute) = Negative (qualifier value)" />
24             </concept>
25             <concept>
26                 <code value="365861007:363713009=10828004" />
27                 <display value="Finding of immune status (finding) : Has
   interpretation (attribute) = Positive (qualifier value)" />
28             </concept>
29         </include>
30     </compose>
31 </ValueSet>
```

50. KBV_VS_MIO_VACCINATION_PRACTITIONER_FUNCTION

KBV_VS_MIO_Vaccination_Practitioner_Function

```
 1  <ValueSet xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Practitioner_Function" />
 3      <version value="1.00.000" />
 4      <name value="KBV_VS_MIO_Vaccination_Practitioner_Function" />
 5      <title value="Rolle des Behandelnden" />
 6      <status value="active" />
 7      <experimental value="false" />
 8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 9      <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der Funktionen/Rollen des Behandelnden" />
10      <immutable value="false" />
11      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
12      <compose>
13          <include>
14              <system value="http://snomed.info/sct" />
15              <version value="http://snomed.info/sct/900000000000207008/
    version/20200131" />
16              <concept>
17                  <code value="112247003" />
18                  <display value="Medical doctor (occupation)" />
19              </concept>
20          </include>
21          <include>
22              <system value="urn:oid:1.2.276.0.76.5.493" />
23              <concept>
24                  <code value="1" />
25                  <display value="Arzt in Facharztausbildung" />
26              </concept>
27              <concept>
28                  <code value="3" />
29                  <display value="Praktischer Arzt" />
30              </concept>
31          </include>
32          <include>
33              <system value="https://fhir.kbv.de/CodeSystem/
    KBV_CS_SFHIR_BAR2_WBO" />
34              <concept>
35                  <code value="010" />
36                  <display value="FA Allgemeinmedizin" />
37              </concept>
38              <concept>
39                  <code value="020" />
40                  <display value="FA Anästhesiologie" />
41              </concept>
42              <concept>
43                  <code value="030" />
44                  <display value="FA Augenheilkunde" />
```

```xml
            </concept>
            <concept>
                <code value="050" />
                <display value="FA Frauenheilkunde und Geburtshilfe" />
            </concept>
            <concept>
                <code value="060" />
                <display value="FA Hals-, Nasen-, Ohrenheilkunde" />
            </concept>
            <concept>
                <code value="070" />
                <display value="FA Haut- und Geschlechtskrankheiten" />
            </concept>
            <concept>
                <code value="080" />
                <display value="FA Innere Medizin" />
            </concept>
            <concept>
                <code value="091" />
                <display value="SP Kinderkardiologie" />
            </concept>
            <concept>
                <code value="093" />
                <display value="SP Neonatologie" />
            </concept>
            <concept>
                <code value="102" />
                <display value="FA Kinder- und Jugendpsychiatrie und
-psychotherapie" />
            </concept>
            <concept>
                <code value="110" />
                <display value="FA Laboratoriumsmedizin" />
            </concept>
            <concept>
                <code value="130" />
                <display value="FA Mund-Kiefer-Gesichts-Chirurgie" />
            </concept>
            <concept>
                <code value="142" />
                <display value="FA Neurologie" />
            </concept>
            <concept>
                <code value="147" />
                <display value="FA Psychiatrie und Psychotherapie" />
            </concept>
            <concept>
                <code value="150" />
                <display value="FA Neurochirurgie" />
            </concept>
            <concept>
                <code value="170" />
                <display value="FA Pathologie" />
            </concept>
            <concept>
                <code value="180" />
                <display value="FA Pharmakologie und Toxikologie" />
            </concept>
            <concept>
                <code value="196" />
```

```
104                    <display value="SP Kinderradiologie" />
105                </concept>
106                <concept>
107                    <code value="197" />
108                    <display value="SP Neuroradiologie" />
109                </concept>
110                <concept>
111                    <code value="200" />
112                    <display value="FA Urologie" />
113                </concept>
114                <concept>
115                    <code value="210" />
116                    <display value="FA Arbeitsmedizin" />
117                </concept>
118                <concept>
119                    <code value="220" />
120                    <display value="FA Nuklearmedizin" />
121                </concept>
122                <concept>
123                    <code value="230" />
124                    <display value="FA Öffentliches Gesundheitswesen" />
125                </concept>
126                <concept>
127                    <code value="240" />
128                    <display value="FA Rechtsmedizin" />
129                </concept>
130                <concept>
131                    <code value="250" />
132                    <display value="FA Hygiene und Umweltmedizin" />
133                </concept>
134                <concept>
135                    <code value="271" />
136                    <display value="FA Neuropathologie" />
137                </concept>
138                <concept>
139                    <code value="281" />
140                    <display value="FA Klinische Pharmakologie" />
141                </concept>
142                <concept>
143                    <code value="291" />
144                    <display value="FA Strahlentherapie" />
145                </concept>
146                <concept>
147                    <code value="301" />
148                    <display value="FA Anatomie" />
149                </concept>
150                <concept>
151                    <code value="302" />
152                    <display value="FA Biochemie" />
153                </concept>
154                <concept>
155                    <code value="303" />
156                    <display value="FA Transfusionsmedizin" />
157                </concept>
158                <concept>
159                    <code value="304" />
160                    <display value="FA Kinderchirurgie" />
161                </concept>
162                <concept>
163                    <code value="308" />
```

```xml
164                    <display value="FA Physiologie" />
165                </concept>
166                <concept>
167                    <code value="313" />
168                    <display value="FA Herzchirurgie" />
169                </concept>
170                <concept>
171                    <code value="314" />
172                    <display value="FA Humangenetik" />
173                </concept>
174                <concept>
175                    <code value="330" />
176                    <display value="FA Physikalische und Rehabilitative
       Medizin" />
177                </concept>
178                <concept>
179                    <code value="341" />
180                    <display value="FA Kinder-und Jugendmedizin" />
181                </concept>
182                <concept>
183                    <code value="359" />
184                    <display value="Fachzahnarzt für Mikrobiologie" />
185                </concept>
186                <concept>
187                    <code value="360" />
188                    <display value="Fachzahnarzt für Kieferchirurgie (§ 6 Abs.
       1 BMV)" />
189                </concept>
190                <concept>
191                    <code value="361" />
192                    <display value="Fachzahnarzt für theoretisch-experimentelle
       Medizin" />
193                </concept>
194                <concept>
195                    <code value="511" />
196                    <display value="FA Gefäßchirurgie" />
197                </concept>
198                <concept>
199                    <code value="512" />
200                    <display value="FA Orthopädie und Unfallchirurgie" />
201                </concept>
202                <concept>
203                    <code value="513" />
204                    <display value="FA Thoraxchirurgie" />
205                </concept>
206                <concept>
207                    <code value="514" />
208                    <display value="FA Visceralchirurgie" />
209                </concept>
210                <concept>
211                    <code value="515" />
212                    <display value="SP Gynäkologische Onkologie" />
213                </concept>
214                <concept>
215                    <code value="516" />
216                    <display value="SP Gynäkologische Endokrinologie und
       Reproduktionsmedizin" />
217                </concept>
218                <concept>
219                    <code value="517" />
```

```xml
                        <display value="SP Spezielle Geburtshilfe und
Perinatalmedizin" />
                    </concept>
                    <concept>
                        <code value="518" />
                        <display value="FA Sprach-, Stimm- und kindliche
Hörstörungen" />
                    </concept>
                    <concept>
                        <code value="521" />
                        <display value="FA Innere Medizin und (SP) Angiologie" />
                    </concept>
                    <concept>
                        <code value="522" />
                        <display value="FA Innere Medizin und (SP) Endokrinologie
und Diabetologie" />
                    </concept>
                    <concept>
                        <code value="523" />
                        <display value="FA Innere Medizin und (SP)
Gastroenterologie" />
                    </concept>
                    <concept>
                        <code value="524" />
                        <display value="FA Innere Medizin und (SP) Hämatologie und
Onkologie" />
                    </concept>
                    <concept>
                        <code value="525" />
                        <display value="FA Innere Medizin und (SP) Kardiologie" />
                    </concept>
                    <concept>
                        <code value="526" />
                        <display value="FA Innere Medizin und (SP) Nephrologie" />
                    </concept>
                    <concept>
                        <code value="527" />
                        <display value="FA Innere Medizin und (SP) Pneumologie" />
                    </concept>
                    <concept>
                        <code value="528" />
                        <display value="FA Innere Medizin und (SP) Rheumatologie" /
>
                    </concept>
                    <concept>
                        <code value="530" />
                        <display value="SP Kinder-Hämatologie und -Onkologie" />
                    </concept>
                    <concept>
                        <code value="531" />
                        <display value="SP Neuropädiatrie" />
                    </concept>
                    <concept>
                        <code value="532" />
                        <display value="FA Mikrobiologie, Virologie und
Infektionsepidemiologie" />
                    </concept>
                    <concept>
                        <code value="533" />
                        <display value="SP Forensische Psychiatrie" />
```

```
273                    </concept>
274                    <concept>
275                        <code value="534" />
276                        <display value="FA Psychosomatische Medizin und
      Psychotherapie" />
277                    </concept>
278                    <concept>
279                        <code value="535" />
280                        <display value="FA Radiologie (neue (M-)WBO)" />
281                    </concept>
282                    <concept>
283                        <code value="542" />
284                        <display value="FA Plastische und Ästhetische Chirurgie" />
285                    </concept>
286                    <concept>
287                        <code value="544" />
288                        <display value="FA Allgemeinchirurgie" />
289                    </concept>
290                </include>
291                <include>
292                    <system value="urn:oid:1.3.6.1.4.1.19376.3.276.1.5.11" />
293                    <concept>
294                        <code value="179" />
295                        <display value="Physician Assistant" />
296                    </concept>
297                    <concept>
298                        <code value="4" />
299                        <display value="Medizinischer Fachangestellter" />
300                    </concept>
301                    <concept>
302                        <code value="70" />
303                        <display value="Apotheker /Fachapotheker" />
304                    </concept>
305                    <concept>
306                        <code value="71" />
307                        <display value="Pharmazeut" />
308                    </concept>
309                    <concept>
310                        <code value="72" />
311                        <display value="Pharmazeutisch-technischer Assistent -
      PTA" />
312                    </concept>
313                    <concept>
314                        <code value="73" />
315                        <display value="Pharmazeutisch-kaufmännischer
      Angestellter" />
316                    </concept>
317                    <concept>
318                        <code value="180" />
319                        <display value="Pharmazieingenieur" />
320                    </concept>
321                    <concept>
322                        <code value="181" />
323                        <display value="Apothekenassistent" />
324                    </concept>
325                    <concept>
326                        <code value="182" />
327                        <display value="Apothekerassistent" />
328                    </concept>
329                </include>
```

```xml
                <include>
                    <system value="urn:oid:1.2.276.0.76.5.114" />
                    <concept>
                        <code value="042" />
                        <display value="SP Unfallchirurgie" />
                    </concept>
                    <concept>
                        <code value="096" />
                        <display value="TG Kindernephrologie" />
                    </concept>
                    <concept>
                        <code value="097" />
                        <display value="TG Kinder-Lungen- u. Bronchialheilkunde" />
                    </concept>
                    <concept>
                        <code value="140" />
                        <display value="FA Nervenheilkunde" />
                    </concept>
                    <concept>
                        <code value="143" />
                        <display value="Psychotherapeutisch tätiger Arzt" />
                    </concept>
                    <concept>
                        <code value="160" />
                        <display value="FA Orthopädie" />
                    </concept>
                    <concept>
                        <code value="161" />
                        <display value="SP Rheumatologie" />
                    </concept>
                    <concept>
                        <code value="171" />
                        <display value="TG Neuropathologie" />
                    </concept>
                    <concept>
                        <code value="192" />
                        <display value="TG Neuroradiologie" />
                    </concept>
                    <concept>
                        <code value="536" />
                        <display value="SP Kinder-Endokrinologie und
-Diabetologie" />
                    </concept>
                    <concept>
                        <code value="537" />
                        <display value="SP Kinder-Gastroenterologie" />
                    </concept>
                </include>
        </compose>
    </ValueSet>
```

51. KBV_VS_MIO_VACCINATION_PRIOR_DISEASE

KBV_VS_MIO_Vaccination_Prior_Disease

```xml
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Prior_Disease" />
3       <version value="1.00.000" />
4       <name value="KBV_VS_MIO_Vaccination_Prior_Disease" />
5       <title value="VaccinationrelevantDisease" />
6       <status value="active" />
7       <experimental value="false" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der vorhergegangenen Krankheiten, die zur Immunisierung geführt haben im
    Codesystem Snomed CT." />
10      <immutable value="false" />
11      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
12      <compose>
13          <include>
14              <system value="http://snomed.info/sct" />
15              <version value="http://snomed.info/sct/900000000000207008/
    version/20200131" />
16              <concept>
17                  <code value="40733004" />
18                  <display value="Infectious disease (disorder)" />
19              </concept>
20              <concept>
21                  <code value="27836007" />
22                  <display value="Pertussis (disorder)" />
23              </concept>
24              <concept>
25                  <code value="16541001" />
26                  <display value="Yellow fever (disorder)" />
27              </concept>
28              <concept>
29                  <code value="16901001" />
30                  <display value="Central European encephalitis (disorder)" /
    >
31              </concept>
32              <concept>
33                  <code value="61977001" />
34                  <display value="Chronic type B viral hepatitis
    (disorder)" />
35              </concept>
36              <concept>
37                  <code value="76795007" />
38                  <display value="Acute type B viral hepatitis (disorder)" />
39              </concept>
40              <concept>
41                  <code value="25102003" />
42                  <display value="Acute type A viral hepatitis (disorder)" />
```

```xml
            </concept>
            <concept>
                <code value="36653000" />
                <display value="Rubella (disorder)" />
            </concept>
            <concept>
                <code value="36989005" />
                <display value="Mumps (disorder)" />
            </concept>
            <concept>
                <code value="14189004" />
                <display value="Measles (disorder)" />
            </concept>
            <concept>
                <code value="38907003" />
                <display value="Varicella (disorder)" />
            </concept>
        </include>
    </compose>
</ValueSet>
```

52. KBV_VS_MIO_VACCINATION_PRIOR_DISEASE_ICD

KBV_VS_MIO_Vaccination_Prior_Disease_ICD

```xml
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Prior_Disease_ICD" />
3       <identifier>
4           <use value="official" />
5           <system value="http://art-decor.org/ns/oids/vs" />
6           <value value="1.2.276.0.76.3.1.1.5.5.1.11.10" />
7       </identifier>
8       <version value="1.00.000" />
9       <name value="KBV_VS_MIO_Vaccination_Prior_Disease_ICD" />
10      <title value="VaccinationrelevantDisease_ICD" />
11      <status value="active" />
12      <experimental value="false" />
13      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14      <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der vorhergegangenen Krankheiten, die zur Immunisierung geführt haben im
    ICD Codesystem" />
15      <immutable value="false" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <compose>
18          <include>
19              <system value="http://fhir.de/CodeSystem/dimdi/icd-10-gm" />
20              <version value="icd10gm2020" />
21              <concept>
22                  <code value="A37.-" />
23                  <display value="Keuchhusten" />
24              </concept>
25              <concept>
26                  <code value="B26.-" />
27                  <display value="Mumps" />
28              </concept>
29              <concept>
30                  <code value="B05.-" />
31                  <display value="Masern" />
32              </concept>
33              <concept>
34                  <code value="B01.-" />
35                  <display value="Varizellen [Windpocken]" />
36              </concept>
37              <concept>
38                  <code value="B06.-" />
39                  <display value="Röteln [Rubeola] [Rubella]" />
40              </concept>
41              <concept>
42                  <code value="B15.-" />
43                  <display value="Akute Virushepatitis A" />
44              </concept>
45              <concept>
46                  <code value="B16.-" />
47                  <display value="Akute Virushepatitis B" />
48              </concept>
49              <concept>
50                  <code value="B18.0" />
```

```xml
                        <display value="Chronische Virushepatitis B mit Delta-
Virus" />
                    </concept>
                    <concept>
                        <code value="B18.1-" />
                        <display value="Chronische Virushepatitis B ohne Delta-
Virus" />
                    </concept>
                    <concept>
                        <code value="A84.1" />
                        <display value="Mitteleuropäische Enzephalitis, durch
Zecken übertragen" />
                    </concept>
                    <concept>
                        <code value="A95.-" />
                        <display value="Gelbfieber" />
                    </concept>
                </include>
            </compose>
        </ValueSet>
```

53. KBV_VS_MIO_VACCINATION_SOURCE_OF_INFORMATION

KBV_VS_MIO_Vaccination_Source_of_Information

```xml
1  <ValueSet xmlns="http://hl7.org/fhir">
2      <url value="https://fhir.kbv.de/ValueSet/
   KBV_VS_MIO_Vaccination_Source_of_Information" />
3      <version value="1.00.000" />
4      <name value="KBV_VS_MIO_Vaccination_Source_of_Information" />
5      <title value="Quelle der Information" />
6      <status value="active" />
7      <experimental value="false" />
8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9      <description value="Dieses ValueSet enthält die Codes zur Beschreibung
   der Quelle der Information" />
10     <immutable value="false" />
11     <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
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   American Pathologists. SNOMED and SNOMED CT are registered trademarks of
   SNOMED International. Implementers of these artefacts must have the
   appropriate SNOMED CT Affiliate license." />
12     <compose>
13         <include>
14             <system value="http://snomed.info/sct" />
15             <version value="http://snomed.info/sct/900000000000207008/
   version/20200131" />
16             <concept>
17                 <code value="261665006" />
18                 <display value="Unknown (qualifier value)" />
19             </concept>
20             <concept>
21                 <code value="394863008" />
22                 <display value="Non-family member (person)" />
23             </concept>
24             <concept>
25                 <code value="125677006" />
26                 <display value="Relative (person)" />
27             </concept>
28             <concept>
29                 <code value="158965000" />
30                 <display value="Medical practitioner (occupation)" />
31             </concept>
32             <concept>
33                 <code value="116154003" />
34                 <display value="Patient (person)" />
35             </concept>
36         </include>
37     </compose>
38  </ValueSet>
```

54. KBV_VS_MIO_VACCINATION_TARGETDISEASE

KBV_VS_MIO_Vaccination_TargetDisease

```
 1  <ValueSet xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/ValueSet/
        KBV_VS_MIO_Vaccination_TargetDisease" />
 3      <version value="1.00.000" />
 4      <name value="KBV_VS_MIO_Vaccination_TargetDisease" />
 5      <title value="TargetDisease" />
 6      <status value="active" />
 7      <experimental value="false" />
 8      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 9      <description value="Dieses Valueset enthält die Codes zur Beschreibung
        der Krankheiten gegen die geimpft werden als SNOMED CT Code" />
10      <immutable value="false" />
11      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
        (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
        Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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        American Pathologists. SNOMED and SNOMED CT are registered trademarks of
        SNOMED International. Implementers of these artefacts must have the
        appropriate SNOMED CT Affiliate license." />
12      <compose>
13          <include>
14              <system value="http://snomed.info/sct" />
15              <version value="http://snomed.info/sct/900000000000207008/
                version/20200131" />
16              <concept>
17                  <code value="40733004" />
18                  <display value="Infectious disease (disorder)" />
19              </concept>
20              <concept>
21                  <code value="64572001" />
22                  <display value="Disease (disorder)" />
23              </concept>
24              <concept>
25                  <code value="307333004" />
26                  <display value="Rhesus isoimmunization due to anti-D
                    (disorder)" />
27              </concept>
28              <concept>
29                  <code value="39111003" />
30                  <display value="Louse-borne typhus (disorder)" />
31              </concept>
32              <concept>
33                  <code value="28944009" />
34                  <display value="Cytomegalovirus infection (disorder)" />
35              </concept>
36              <concept>
37                  <code value="55735004" />
38                  <display value="Respiratory syncytial virus infection
                    (disorder)" />
39              </concept>
40              <concept>
41                  <code value="186431008" />
42                  <display value="Clostridioides difficile infection
                    (disorder)" />
```

```
 43                    </concept>
 44                    <concept>
 45                        <code value="67924001" />
 46                        <display value="Smallpox" />
 47                    </concept>
 48                    <concept>
 49                        <code value="240532009" />
 50                        <display value="human papilomavirus infection" />
 51                    </concept>
 52                    <concept>
 53                        <code value="16541001" />
 54                        <display value="Yellow fever" />
 55                    </concept>
 56                    <concept>
 57                        <code value="4740000" />
 58                        <display value="Herpes Zoster" />
 59                    </concept>
 60                    <concept>
 61                        <code value="38907003" />
 62                        <display value="Varicella" />
 63                    </concept>
 64                    <concept>
 65                        <code value="36653000" />
 66                        <display value="Rubella" />
 67                    </concept>
 68                    <concept>
 69                        <code value="14168008" />
 70                        <display value="Rabies" />
 71                    </concept>
 72                    <concept>
 73                        <code value="398102009" />
 74                        <display value="Acute Poliomyelitis" />
 75                    </concept>
 76                    <concept>
 77                        <code value="36989005" />
 78                        <display value="Mumps" />
 79                    </concept>
 80                    <concept>
 81                        <code value="14189004" />
 82                        <display value="Measles" />
 83                    </concept>
 84                    <concept>
 85                        <code value="40468003" />
 86                        <display value="Viral hepatitis, type A" />
 87                    </concept>
 88                    <concept>
 89                        <code value="66071002" />
 90                        <display value="Viral hepatitis, type B" />
 91                    </concept>
 92                    <concept>
 93                        <code value="6142004" />
 94                        <display value="Influenza" />
 95                    </concept>
 96                    <concept>
 97                        <code value="52947006" />
 98                        <display value="Japanese encephalitis virus disease" />
 99                    </concept>
100                    <concept>
101                        <code value="18624000" />
102                        <display value="Disease caused by Rotavirus" />
```

```
103                </concept>
104                <concept>
105                    <code value="4834000" />
106                    <display value="Thyphoid fever" />
107                </concept>
108                <concept>
109                    <code value="56717001" />
110                    <display value="Tuberculosis" />
111                </concept>
112                <concept>
113                    <code value="76902006" />
114                    <display value="Tetanus" />
115                </concept>
116                <concept>
117                    <code value="16814004" />
118                    <display value="Pneumococcal infectious disease" />
119                </concept>
120                <concept>
121                    <code value="58750007" />
122                    <display value="Plague" />
123                </concept>
124                <concept>
125                    <code value="27836007" />
126                    <display value="Pertussis" />
127                </concept>
128                <concept>
129                    <code value="23511006" />
130                    <display value="Meningococcal infectious disease" />
131                </concept>
132                <concept>
133                    <code value="709410003" />
134                    <display value="Haemophilus influenzae type b infection" />
135                </concept>
136                <concept>
137                    <code value="397430003" />
138                    <display value="Diphtheria caused by Corynebacterium
     diphtheriae" />
139                </concept>
140                <concept>
141                    <code value="63650001" />
142                    <display value="Cholera" />
143                </concept>
144                <concept>
145                    <code value="75702008" />
146                    <display value="Brucellosis" />
147                </concept>
148                <concept>
149                    <code value="409498004" />
150                    <display value="Anthrax" />
151                </concept>
152            </include>
153        </compose>
154    </ValueSet>
```

55. KBV_VS_MIO_VACCINATION_TARGETDISEASE_ALPHAID

KBV_VS_MIO_Vaccination_TargetDisease_AlphaID

```
 1  <ValueSet xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_TargetDisease_AlphaID" />
 3      <identifier>
 4          <use value="official" />
 5          <system value="http://art-decor.org/ns/oids/vs" />
 6          <value value="1.2.276.0.76.3.1.1.5.5.1.11.8" />
 7      </identifier>
 8      <version value="1.00.000" />
 9      <name value="KBV_VS_MIO_Vaccination_TargetDisease_AlphaID" />
10      <title value="TargetDisease_Alpha ID" />
11      <status value="active" />
12      <experimental value="false" />
13      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14      <description value="Dieses Valueset enthält die Codes zur Beschreibung
    der Krankheiten gegen die geimpft werden als Alpha-ID Code" />
15      <immutable value="false" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved." />
17      <compose>
18          <include>
19              <system value="http://fhir.de/CodeSystem/dimdi/alpha-id" />
20              <version value="alphaid2020" />
21              <concept>
22                  <code value="I13965" />
23                  <display value="Fleckfieber" />
24              </concept>
25              <concept>
26                  <code value="I97396" />
27                  <display value="Blutgruppenunverträglichkeit beim
    Neugeborenen" />
28              </concept>
29              <concept>
30                  <code value="I15735" />
31                  <display value="Infektion durch Zytomegalieviren" />
32              </concept>
33              <concept>
34                  <code value="I5031" />
35                  <display value="Pneumonie durch Respiratory-Syncytial-Viren
    [RS-Viren]" />
36              </concept>
37              <concept>
38                  <code value="I116469" />
39                  <display value="Infektion durch Clostridium difficile" />
40              </concept>
41              <concept>
42                  <code value="I11467" />
43                  <display value="Haemophilus-influenzae-Infektion" />
44              </concept>
45              <concept>
46                  <code value="I13614" />
47                  <display value="Cholera" />
48              </concept>
49              <concept>
```

```xml
                    <code value="I21515" />
                    <display value="Infektion durch humanes Papillomavirus
[HPV]" />
                </concept>
                <concept>
                    <code value="I27534" />
                    <display value="Infektion durch Meningokokken" />
                </concept>
                <concept>
                    <code value="I15008" />
                    <display value="Pest" />
                </concept>
                <concept>
                    <code value="I14609" />
                    <display value="Masern" />
                </concept>
                <concept>
                    <code value="I23502" />
                    <display value="Diphtherie" />
                </concept>
                <concept>
                    <code value="I23483" />
                    <display value="FSME [Zentraleuropäische Frühsommer-
Meningoenzephalitis]" />
                </concept>
                <concept>
                    <code value="I14036" />
                    <display value="Gelbfieber" />
                </concept>
                <concept>
                    <code value="I15771" />
                    <display value="Hepatitis A" />
                </concept>
                <concept>
                    <code value="I15777" />
                    <display value="Hepatitis B" />
                </concept>
                <concept>
                    <code value="I23144" />
                    <display value="Herpes zoster" />
                </concept>
                <concept>
                    <code value="I14083" />
                    <display value="Grippe [Influenza]" />
                </concept>
                <concept>
                    <code value="I1064" />
                    <display value="Japanische Enzephalitis" />
                </concept>
                <concept>
                    <code value="I14685" />
                    <display value="Milzbrand" />
                </concept>
                <concept>
                    <code value="I14707" />
                    <display value="Mumps" />
                </concept>
                <concept>
                    <code value="I14368" />
                    <display value="Pertussis" />
```

```xml
108              </concept>
109              <concept>
110                  <code value="I73861" />
111                  <display value="Infektion durch Pneumokokken a.n.k." />
112              </concept>
113              <concept>
114                  <code value="I15064" />
115                  <display value="Pocken" />
116              </concept>
117              <concept>
118                  <code value="I14372" />
119                  <display value="Poliomyelitis" />
120              </concept>
121              <concept>
122                  <code value="I110761" />
123                  <display value="Infektion durch Rotaviren" />
124              </concept>
125              <concept>
126                  <code value="I15222" />
127                  <display value="Röteln" />
128              </concept>
129              <concept>
130                  <code value="I15432" />
131                  <display value="Tetanus-Infektion" />
132              </concept>
133              <concept>
134                  <code value="I22407" />
135                  <display value="Tollwut" />
136              </concept>
137              <concept>
138                  <code value="I22433" />
139                  <display value="Tuberkulose" />
140              </concept>
141              <concept>
142                  <code value="I22454" />
143                  <display value="Typhus" />
144              </concept>
145              <concept>
146                  <code value="I15579" />
147                  <display value="Windpocken" />
148              </concept>
149          </include>
150      </compose>
151  </ValueSet>
```

56. KBV_VS_MIO_VACCINATION_VACCINE_LIST

KBV_VS_MIO_Vaccination_Vaccine_List

```xml
1   <ValueSet xmlns="http://hl7.org/fhir">
2       <url value="https://fhir.kbv.de/ValueSet/
    KBV_VS_MIO_Vaccination_Vaccine_List" />
3       <version value="1.00.000" />
4       <name value="KBV_VS_MIO_Vaccination_Vaccine_List" />
5       <title value="Vaccine" />
6       <status value="active" />
7       <experimental value="false" />
8       <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
9       <description value="Dieses Codesystem enthält die Codes zur
    Beschreibung der Impfstoffe als Snomed-Code" />
10      <immutable value="false" />
11      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
    (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
    Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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    American Pathologists. SNOMED and SNOMED CT are registered trademarks of
    SNOMED International. Implementers of these artefacts must have the
    appropriate SNOMED CT Affiliate license." />
12      <compose>
13          <include>
14              <system value="http://snomed.info/sct" />
15              <version value="http://snomed.info/sct/900000000000207008/
    version/20200131" />
16              <concept>
17                  <code value="421245007" />
18                  <display value="Diphtheria + pertussis + tetanus vaccine
    (product)" />
19              </concept>
20              <concept>
21                  <code value="787859002" />
22                  <display value="Vaccine product (product)" />
23              </concept>
24              <concept>
25                  <code value="37146000" />
26                  <display value="Typhus vaccine (product)" />
27              </concept>
28              <concept>
29                  <code value="407746005" />
30                  <display value="Varicella-zoster live attenuated vaccine
    (product)" />
31              </concept>
32              <concept>
33                  <code value="787859002:127489000=412300006" />
34                  <display value="Vaccine product (product): Has active
    ingredient (attribute) = Rubella and mumps vaccine (substance)" />
35              </concept>
36              <concept>
37                  <code value="787859002:{127489000=428126001}
    {127489000=412374001}{127489000=396433007}{127489000=412375000}
    {127489000=396424005}{127489000=768365004}{127489000=768366003}" />
```

```
38                      <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
        ingredient (attribute) =  Haemophilus influenzae type b vaccine
        (substance) } { Has active ingredient (attribute) = Pertussis vaccine
        (substance) } { Has active ingredient (attribute) = Tetanus vaccine
        (substance) } { Has active ingredient (attribute) = Hepatitis B virus
        vaccine (substance) } { Has active ingredient (attribute) = Meningococcus
        group A vaccine (substance) } { Has active ingredient (attribute) =
        Meningococcus group C vaccine (substance) }" />
39                  </concept>
40                  <concept>
41                      <code value="427542001" />
42                      <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
43                  </concept>
44                  <concept>
45                      <code value="787859002:{127489000=428126001}
        {127489000=412374001}{127489000=396433007}{127489000=412375000}
        {127489000=396424005}" />
46                      <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
        ingredient (attribute) = Haemophilus influenzae type b vaccine
        (substance) } { Has active ingredient (attribute) = Pertussis vaccine
        (substance) } { Has active ingredient (attribute) = Tetanus vaccine
        (substance) } { Has active ingredient (attribute) =  Hepatitis B virus
        vaccine (substance) }" />
47                  </concept>
48                  <concept>
49                      <code value="333707007" />
50                      <display value="Hepatitis A+typhoid vaccine (product)" />
51                  </concept>
52                  <concept>
53                      <code value="426842004" />
54                      <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
        influenzae type B vaccine (product)" />
55                  </concept>
56                  <concept>
57                      <code value="426971004" />
58                      <display value="Haemophilus influenzae Type b + recombinant
        hepatitis B virus vaccine (product)" />
59                  </concept>
60                  <concept>
61                      <code value="787859002:{127489000=428126001}
        {127489000=396424005}{127489000=412375000}" />
62                      <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
        ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
        active ingredient (attribute) = Tetanus vaccine (substance) }" />
63                  </concept>
64                  <concept>
65                      <code value="414004005" />
66                      <display value="Diphtheria + tetanus + pertussis +
        poliomyelitis + haemophilus influenzae b vaccine (product)" />
67                  </concept>
68                  <concept>
69                      <code value="426081003" />
70                      <display value="Diphtheria + tetanus + pertussis +
        recombinant hepatitis B virus vaccine (product)" />
71                  </concept>
```

```xml
                    <concept>
                        <code value="787859002:{127489000=412374001}
{127489000=396436004}" />
                        <display value="Vaccine product (product): { Has active
ingredient (attribute) = Haemophilus influenzae type b vaccine
(substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
(substance) }" />
                    </concept>
                    <concept>
                        <code value="787859002:{127489000=428126001}
{127489000=396438003}{127489000=412375000}" />
                        <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) } { Has active
ingredient (attribute) = Tetanus vaccine (substance) }" />
                    </concept>
                    <concept>
                        <code value="414005006" />
                        <display value="Diphtheria + tetanus + pertussis +
poliomyelitis vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="414006007" />
                        <display value="Diphtheria + tetanus + poliomyelitis
vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="419550004" />
                        <display value="Measles + mumps + rubella + varicella
vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="787859002:{127489000=396427003}
{127489000=396438003}" />
                        <display value="Vaccine product (product):  { Has active
ingredient (attribute) = Measles vaccine (substance) } { Has active
ingredient (attribute) = Rubella vaccine (substance) }" />
                    </concept>
                    <concept>
                        <code value="61153008" />
                        <display value="Measles, mumps and rubella vaccine
(product)" />
                    </concept>
                    <concept>
                        <code value="785865001" />
                        <display value="Measles and mumps vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="333702001" />
                        <display value="Hepatitis A+B vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="350327004" />
                        <display value="Diphtheria + tetanus vaccine (product)" />
                    </concept>
                    <concept>
                        <code value="78785900:{127489000=398730001}
{127489000=412374001}" />
```

```
114                            <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
        ingredient (attribute) = Haemophilus influenzae type b vaccine
        (substance) }" />
115                        </concept>
116                        <concept>
117                            <code value="423912009" />
118                            <display value="Haemophilus influenzae type b +
        Meningococcal group C vaccine (product)" />
119                        </concept>
120                        <concept>
121                            <code value="787859002:{127489000=412374001}
        {127489000=396433007}{127489000=396411005}" />
122                            <display value="Vaccine product (product):  { Has active
        ingredient (attribute) = Haemophilus influenzae type b vaccine
        (substance) } { Has active ingredient (attribute) = Pertussis vaccine
        (substance) } { Has active ingredient (attribute) = Toxoid (substance) }" /
        >
123                        </concept>
124                        <concept>
125                            <code value="787859002:{127489000=396422009}
        {127489000=396441007}" />
126                            <display value="Vaccine product (product): { Has active
        ingredient (attribute) = Cholera vaccine (substance) } { Has active
        ingredient (attribute) = Typhoid vaccine (substance) }" />
127                        </concept>
128                        <concept>
129                            <code value="333697005" />
130                            <display value="Japanese B encephalitis vaccine" />
131                        </concept>
132                        <concept>
133                            <code value="333699008" />
134                            <display value="Tick-borne encephalitis vaccine" />
135                        </concept>
136                        <concept>
137                            <code value="90043005" />
138                            <display value="Mumps live virus vaccine" />
139                        </concept>
140                        <concept>
141                            <code value="111164008" />
142                            <display value="Poliovirus vaccine" />
143                        </concept>
144                        <concept>
145                            <code value="116077000" />
146                            <display value="Rotavirus vaccine" />
147                        </concept>
148                        <concept>
149                            <code value="333606008" />
150                            <display value="Rabies vaccine" />
151                        </concept>
152                        <concept>
153                            <code value="407737004" />
154                            <display value="Varicella-zoster vaccine" />
155                        </concept>
156                        <concept>
157                            <code value="33234009" />
158                            <display value="Smallpox vaccine" />
159                        </concept>
160                        <concept>
161                            <code value="424519000" />
```

```
162                    <display value="Human papillomavirus vaccine" />
163                </concept>
164                <concept>
165                    <code value="56844000" />
166                    <display value="Yellow fever vaccine" />
167                </concept>
168                <concept>
169                    <code value="386013003" />
170                    <display value="Rubella vaccine" />
171                </concept>
172                <concept>
173                    <code value="386012008" />
174                    <display value="Measles vaccine" />
175                </concept>
176                <concept>
177                    <code value="14745005" />
178                    <display value="Hepatitis A virus vaccine" />
179                </concept>
180                <concept>
181                    <code value="34689006" />
182                    <display value="Hepatitis B virus vaccine" />
183                </concept>
184                <concept>
185                    <code value="46233009" />
186                    <display value="Influenza virus vaccine" />
187                </concept>
188                <concept>
189                    <code value="89428009" />
190                    <display value="Typhoid vaccine" />
191                </concept>
192                <concept>
193                    <code value="420538001" />
194                    <display value="Tuberculosos vaccine" />
195                </concept>
196                <concept>
197                    <code value="333621002" />
198                    <display value="Tetanus vaccine" />
199                </concept>
200                <concept>
201                    <code value="333598008" />
202                    <display value="Pneumococcal vaccine" />
203                </concept>
204                <concept>
205                    <code value="11866009" />
206                    <display value="Plague vaccine" />
207                </concept>
208                <concept>
209                    <code value="61602008" />
210                    <display value="Pertussis vaccine" />
211                </concept>
212                <concept>
213                    <code value="423531006" />
214                    <display value="Meningococcus vaccine" />
215                </concept>
216                <concept>
217                    <code value="333680004" />
218                    <display value="Haemophilus influenzae Type b vaccine" />
219                </concept>
220                <concept>
221                    <code value="428214002" />
```

```
                          <display value="Diphtheria vaccine" />
                      </concept>
                      <concept>
                          <code value="35736007" />
                          <display value="Cholera vaccine" />
                      </concept>
                      <concept>
                          <code value="7230005" />
                          <display value="Brucella vaccine" />
                      </concept>
                      <concept>
                          <code value="333521006" />
                          <display value="Anthrax vaccine" />
                      </concept>
                      <concept>
                          <code value="714569001" />
                          <display value="Product containing normal immunoglobulin
    human (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="786224004" />
                          <display value="Product containing human anti-D
    immunoglobulin (medicinal product)|" />
                      </concept>
                      <concept>
                          <code value="384706007" />
                          <display value="Product containing tetanus antitoxin
    (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="62294009" />
                          <display value="Product containing Varicella-zoster virus
    antibody (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="9542007" />
                          <display value="Product containing Hepatitis B surface
    antigen immunoglobulin (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="80834004" />
                          <display value="Product containing rabies human immune
    globulin (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="9778000" />
                          <display value="Product containing Cytomegalovirus antibody
    (medicinal product)" />
                      </concept>
                      <concept>
                          <code value="108725001" />
                          <display value="Product containing palivizumab (medicinal
    product)" />
                      </concept>
                      <concept>
                          <code value="763703008" />
                          <display value="Product containing bezlotoxumab (medicinal
    product)" />
                      </concept>
                  </include>
```

```
273          </compose>
274     </ValueSet>
```

57. KBV_VS_MIO_VACCINATION_VACCINE_LIST_ATC

KBV_VS_MIO_Vaccination_Vaccine_List_ATC

```
 1  <ValueSet xmlns="http://hl7.org/fhir">
 2      <url value="https://fhir.kbv.de/ValueSet/
        KBV_VS_MIO_Vaccination_Vaccine_List_ATC" />
 3      <identifier>
 4          <use value="official" />
 5          <system value="http://art-decor.org/ns/oids/vs" />
 6          <value value="1.2.276.0.76.3.1.1.5.5.1.11.6" />
 7      </identifier>
 8      <version value="1.00.000" />
 9      <name value="KBV_VS_MIO_Vaccination_Vaccine_List_ATC" />
10      <title value="Vaccine_ATC" />
11      <status value="active" />
12      <experimental value="false" />
13      <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14      <description value="Dieses Valueset enthält die Codes zur Beschreibung
        der Impfstoffe als ATC Code" />
15      <immutable value="false" />
16      <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
        (KBV)." />
17      <compose>
18          <include>
19              <system value="http://fhir.de/CodeSystem/dimdi/atc" />
20              <version value="atcgm2020" />
21              <concept>
22                  <code value="J07AR" />
23                  <display value="Typhus (exanthematicus)-Impfstoff" />
24              </concept>
25              <concept>
26                  <code value="J07AR01" />
27                  <display value="Typhus exanthematicus, inaktiviert, ganze
        Zelle" />
28              </concept>
29              <concept>
30                  <code value="J07AC" />
31                  <display value="Milzbrand-Impfstoffe" />
32              </concept>
33              <concept>
34                  <code value="J07AC01" />
35                  <display value="Anthrax-Antigen" />
36              </concept>
37              <concept>
38                  <code value="J07AD" />
39                  <display value="Brucellose-Impfstoffe" />
40              </concept>
41              <concept>
42                  <code value="J07AD01" />
43                  <display value="Brucella-Antigen" />
44              </concept>
45              <concept>
46                  <code value="J07AE" />
47                  <display value="Cholera-Impfstoffe" />
48              </concept>
49              <concept>
50                  <code value="J07AE01" />
```

```xml
                <display value="Cholera, inaktiviert, ganze Zelle" />
            </concept>
            <concept>
                <code value="J07AE02" />
                <display value="Cholera, lebend abgeschwächt" />
            </concept>
            <concept>
                <code value="J07AE51" />
                <display value="Cholera, Kombinationen mit Typhus-
Impfstoff,   inaktiviert, ganze Zelle" />
            </concept>
            <concept>
                <code value="J07AF" />
                <display value="Diphtherie-Impfstoffe" />
            </concept>
            <concept>
                <code value="J07AF01" />
                <display value="Diphtherie-Toxoid" />
            </concept>
            <concept>
                <code value="J07AG" />
                <display value="Haemophilus influenzae B-Impfstoffe" />
            </concept>
            <concept>
                <code value="J07AG01" />
                <display value="Haemophilus influenzae B, gereinigtes
Antigen konjugiert" />
            </concept>
            <concept>
                <code value="J07AG51" />
                <display value="Haemophilus influenzae B, Kombinationen mit
Toxoiden" />
            </concept>
            <concept>
                <code value="J07AG52" />
                <display value="Haemophilus influenzae B, Kombinationen mit
Pertussis und Toxoiden" />
            </concept>
            <concept>
                <code value="J07AG53" />
                <display value="Haemophilus influenzae B, Kombinationen mit
Meningokokken C, konjugiert" />
            </concept>
            <concept>
                <code value="J07AH" />
                <display value="Meningokokken-Impfstoffe" />
            </concept>
            <concept>
                <code value="J07AH01" />
                <display value="Meningokokken A, gereinigtes Polysaccharid-
Antigen" />
            </concept>
            <concept>
                <code value="J07AH02" />
                <display value="Andere Meningokokken monovalent,
gereinigtes Polysaccharid-Antigen" />
            </concept>
            <concept>
                <code value="J07AH03" />
```

```xml
103                    <display value="Meningokokken bivalent (A, C),  gereinigtes
        Polysaccharid-Antigen" />
104                </concept>
105                <concept>
106                    <code value="J07AH04" />
107                    <display value="Meningokokken tetravalent (A, C, Y, W-135),
        gereinigtes Polysaccharid-Antigen" />
108                </concept>
109                <concept>
110                    <code value="J07AH05" />
111                    <display value="Andere Meningokokken polyvalent,
        gereinigtes Polysaccharid-Antigen" />
112                </concept>
113                <concept>
114                    <code value="J07AH06" />
115                    <display value="Meningokokken B, äußere Vesikelmembran-
        Impfstoff" />
116                </concept>
117                <concept>
118                    <code value="J07AH07" />
119                    <display value="Meningokokken C, gereinigtes Polysaccharid-
        Antigen,  konjugiert" />
120                </concept>
121                <concept>
122                    <code value="J07AH08" />
123                    <display value="Meningokokken tetravalent (A, C, Y, W-135),
        gereinigtes Polysaccharid-Antigen, konjugiert" />
124                </concept>
125                <concept>
126                    <code value="J07AH09" />
127                    <display value="Meningokokken B, Multikomponenten-
        Impfstoff" />
128                </concept>
129                <concept>
130                    <code value="J07AH10" />
131                    <display value="Meningokokken A, gereinigtes Polysaccharid-
        Antigen,  konjugiert" />
132                </concept>
133                <concept>
134                    <code value="J07AJ" />
135                    <display value="Pertussis-Impfstoffe" />
136                </concept>
137                <concept>
138                    <code value="J07AJ01" />
139                    <display value="Pertussis, inaktiviert, ganze Zelle" />
140                </concept>
141                <concept>
142                    <code value="J07AJ02" />
143                    <display value="Pertussis, gereinigtes Antigen" />
144                </concept>
145                <concept>
146                    <code value="J07AJ51" />
147                    <display value="Pertussis, inaktiviert, ganze Zelle,
        Kombinationen mit Toxoiden" />
148                </concept>
149                <concept>
150                    <code value="J07AJ52" />
151                    <display value="Pertussis, gereinigtes Antigen,
        Kombinationen mit Toxoiden" />
152                </concept>
```

```
153            <concept>
154                <code value="J07AK" />
155                <display value="Pest-Impfstoffe" />
156            </concept>
157            <concept>
158                <code value="J07AK01" />
159                <display value="Pest, inaktiviert, ganze Zelle" />
160            </concept>
161            <concept>
162                <code value="J07AL" />
163                <display value="Pneumokokken-Impfstoffe" />
164            </concept>
165            <concept>
166                <code value="J07AL01" />
167                <display value="Pneumokokken, gereinigtes Polysaccharid-
     Antigen" />
168            </concept>
169            <concept>
170                <code value="J07AL02" />
171                <display value="Pneumokokken, gereinigtes Polysaccharid-
     Antigen, konjugiert" />
172            </concept>
173            <concept>
174                <code value="J07AL52" />
175                <display value="Pneumokokken, gereinigtes Polysaccharid-
     Antigen  und Haemophilus influenzae B, konjugiert" />
176            </concept>
177            <concept>
178                <code value="J07AM" />
179                <display value="Tetanus-Impfstoffe" />
180            </concept>
181            <concept>
182                <code value="J07AM01" />
183                <display value="Tetanus-Toxoid" />
184            </concept>
185            <concept>
186                <code value="J07AM51" />
187                <display value="Tetanus-Toxoid, Kombinationen mit
     Diphtherie-Toxoid" />
188            </concept>
189            <concept>
190                <code value="J07AM52" />
191                <display value="Tetanus-Toxoid, Kombinationen mit Tetanus-
     Immunglobulin" />
192            </concept>
193            <concept>
194                <code value="J07AN" />
195                <display value="Tuberkulose-Impfstoffe" />
196            </concept>
197            <concept>
198                <code value="J07AN01" />
199                <display value="Tuberkulose, lebend abgeschwächt" />
200            </concept>
201            <concept>
202                <code value="J07AP" />
203                <display value="Typhus-Impfstoffe" />
204            </concept>
205            <concept>
206                <code value="J07AP01" />
207                <display value="Typhus, oral, lebend abgeschwächt" />
```

```
208                    </concept>
209                    <concept>
210                        <code value="J07AP02" />
211                        <display value="Typhus, inaktiviert, ganze Zelle" />
212                    </concept>
213                    <concept>
214                        <code value="J07AP03" />
215                        <display value="Typhus, gereinigtes Polysaccharid-
       Antigen" />
216                    </concept>
217                    <concept>
218                        <code value="J07AP10" />
219                        <display value="Typhus, Kombinationen mit
       Paratyphustypen" />
220                    </concept>
221                    <concept>
222                        <code value="J07BA" />
223                        <display value="Encephalitis-Impfstoffe" />
224                    </concept>
225                    <concept>
226                        <code value="J07BA01" />
227                        <display value="FSME, inaktiviert, ganzes Virus" />
228                    </concept>
229                    <concept>
230                        <code value="J07BA02" />
231                        <display value="Encephalitis, japanische, inaktiviert,
       ganzes Virus" />
232                    </concept>
233                    <concept>
234                        <code value="J07BA03" />
235                        <display value="Encephalitis, japanische, lebend
       abgeschwächt" />
236                    </concept>
237                    <concept>
238                        <code value="J07BB" />
239                        <display value="Influenza-Impfstoffe" />
240                    </concept>
241                    <concept>
242                        <code value="J07BB01" />
243                        <display value="Influenza, inaktiviert, ganzes Virus" />
244                    </concept>
245                    <concept>
246                        <code value="J07BB02" />
247                        <display value="Influenza, inaktiviert, Spaltvirus oder
       Oberflächenantigen" />
248                    </concept>
249                    <concept>
250                        <code value="J07BB03" />
251                        <display value="Influenza, lebend abgeschwächt" />
252                    </concept>
253                    <concept>
254                        <code value="J07BC" />
255                        <display value="Hepatitis-Impfstoffe" />
256                    </concept>
257                    <concept>
258                        <code value="J07BC01" />
259                        <display value="Hepatitis B, gereinigtes Antigen" />
260                    </concept>
261                    <concept>
262                        <code value="J07BC02" />
```

```
263                         <display value="Hepatitis A, inaktiviert, ganzes Virus" />
264                     </concept>
265                     <concept>
266                         <code value="J07BC03" />
267                         <display value="Hepatitis A, gereinigtes Antigen" />
268                     </concept>
269                     <concept>
270                         <code value="J07BC20" />
271                         <display value="Kombinationen" />
272                     </concept>
273                     <concept>
274                         <code value="J07BD" />
275                         <display value="Masern-Impfstoffe" />
276                     </concept>
277                     <concept>
278                         <code value="J07BD01" />
279                         <display value="Masern, lebend abgeschwächt" />
280                     </concept>
281                     <concept>
282                         <code value="J07BD51" />
283                         <display value="Masern, Kombinationen mit Mumps, lebend
        abgeschwächt" />
284                     </concept>
285                     <concept>
286                         <code value="J07BD52" />
287                         <display value="Masern, Kombinationen mit Mumps und Röteln,
        lebend abgeschwächt" />
288                     </concept>
289                     <concept>
290                         <code value="J07BD53" />
291                         <display value="Masern, Kombinationen mit Röteln, lebend
        abgeschwächt" />
292                     </concept>
293                     <concept>
294                         <code value="J07BD54" />
295                         <display value="Masern, Kombinationen mit Mumps, Röteln und
        Varicella,  lebend abgeschwächt" />
296                     </concept>
297                     <concept>
298                         <code value="J07BE" />
299                         <display value="Mumps-Impfstoffe" />
300                     </concept>
301                     <concept>
302                         <code value="J07BE01" />
303                         <display value="Mumps, lebend abgeschwächt" />
304                     </concept>
305                     <concept>
306                         <code value="J07BF" />
307                         <display value="Poliomyelitis-Impfstoffe" />
308                     </concept>
309                     <concept>
310                         <code value="J07BF01" />
311                         <display value="Poliomyelitis, oral, monovalent, lebend
        abgeschwächt" />
312                     </concept>
313                     <concept>
314                         <code value="J07BF02" />
315                         <display value="Poliomyelitis, oral, trivalent, lebend
        abgeschwächt" />
316                     </concept>
```

```
317                    <concept>
318                        <code value="J07BF03" />
319                        <display value="Poliomyelitis, trivalent, inaktiviert,
       ganzes Virus" />
320                    </concept>
321                    <concept>
322                        <code value="J07BF04" />
323                        <display value="Poliomyelitis, oral, bivalent, lebend
       abgeschwächt" />
324                    </concept>
325                    <concept>
326                        <code value="J07BG" />
327                        <display value="Tollwut-Impfstoffe" />
328                    </concept>
329                    <concept>
330                        <code value="J07BG01" />
331                        <display value="Tollwut, inaktiviert, ganzes Virus" />
332                    </concept>
333                    <concept>
334                        <code value="J07BH" />
335                        <display value="Rotavirus-Diarrhoe-Impfstoffe" />
336                    </concept>
337                    <concept>
338                        <code value="J07BH01" />
339                        <display value="Rotavirus, lebend abgeschwächt" />
340                    </concept>
341                    <concept>
342                        <code value="J07BH02" />
343                        <display value="Rotavirus, pentavalent, lebend,
       Reassortanten" />
344                    </concept>
345                    <concept>
346                        <code value="J07BJ" />
347                        <display value="Röteln-Impfstoffe" />
348                    </concept>
349                    <concept>
350                        <code value="J07BJ01" />
351                        <display value="Röteln, lebend abgeschwächt" />
352                    </concept>
353                    <concept>
354                        <code value="J07BJ51" />
355                        <display value="Röteln, Kombinationen mit Mumps, lebend
       abgeschwächt" />
356                    </concept>
357                    <concept>
358                        <code value="J07BK" />
359                        <display value="Varicella Zoster Impfstoffe" />
360                    </concept>
361                    <concept>
362                        <code value="J07BK01" />
363                        <display value="Varicella, lebend abgeschwächt" />
364                    </concept>
365                    <concept>
366                        <code value="J07BK02" />
367                        <display value="Zoster Virus, lebend abgeschwächt" />
368                    </concept>
369                    <concept>
370                        <code value="J07BK03" />
371                        <display value="Zoster Virus, gereinigtes Antigen" />
372                    </concept>
```

```xml
                    <concept>
                        <code value="J07BL" />
                        <display value="Gelbfieber-Impfstoffe" />
                    </concept>
                    <concept>
                        <code value="J07BL01" />
                        <display value="Gelbfieber, lebend abgeschwächt" />
                    </concept>
                    <concept>
                        <code value="J07BM" />
                        <display value="Papillomvirus-Impfstoffe" />
                    </concept>
                    <concept>
                        <code value="J07BM01" />
                        <display value="Humaner-Papillomvirus-Impfstoff (Typen
6,11,16,18)" />
                    </concept>
                    <concept>
                        <code value="J07BM02" />
                        <display value="Humaner-Papillomvirus-Impfstoff (Typen
16,18)" />
                    </concept>
                    <concept>
                        <code value="J07BM03" />
                        <display value="Humaner-Papillomvirus-Impfstoff  (Typen
6,11,16,18,31,33,45,52,58)" />
                    </concept>
                    <concept>
                        <code value="J07BX" />
                        <display value="Andere virale Impfstoffe" />
                    </concept>
                    <concept>
                        <code value="J07BX01" />
                        <display value="Pocken-Impfstoff, lebend, modifiziert" />
                    </concept>
                    <concept>
                        <code value="J07CA" />
                        <display value="Bakterielle und virale Impfstoffe,
kombiniert" />
                    </concept>
                    <concept>
                        <code value="J07CA01" />
                        <display value="Diphtherie-Poliomyelitis-Tetanus" />
                    </concept>
                    <concept>
                        <code value="J07CA02" />
                        <display value="Diphtherie-Pertussis-Poliomyelitis-
Tetanus" />
                    </concept>
                    <concept>
                        <code value="J07CA03" />
                        <display value="Diphtherie-Röteln-Tetanus" />
                    </concept>
                    <concept>
                        <code value="J07CA04" />
                        <display value="Haemophilus influenzae B und
Poliomyelitis" />
                    </concept>
                    <concept>
                        <code value="J07CA05" />
```

```
427                    <display value="Diphtherie-Hepatitis B-Pertussis-Tetanus" /
      >
428                  </concept>
429                  <concept>
430                    <code value="J07CA06" />
431                    <display value="Diphtherie-Haemophilus influenzae  B-
      Pertussis-Poliomyelitis-Tetanus" />
432                  </concept>
433                  <concept>
434                    <code value="J07CA07" />
435                    <display value="Diphtherie-Hepatitis B-Tetanus" />
436                  </concept>
437                  <concept>
438                    <code value="J07CA08" />
439                    <display value="Haemophilus influenzae B und Hepatitis B" /
      >
440                  </concept>
441                  <concept>
442                    <code value="J07CA09" />
443                    <display value="Diphtherie-Haemophilus influenzae  B-
      Pertussis-Poliomyelitis-Tetanus-Hepatitis B" />
444                  </concept>
445                  <concept>
446                    <code value="J07CA10" />
447                    <display value="Typhus-Hepatitis A" />
448                  </concept>
449                  <concept>
450                    <code value="J07CA11" />
451                    <display value="Diphtherie-Haemophilus influenzae  B-
      Pertussis-Tetanus-Hepatitis B" />
452                  </concept>
453                  <concept>
454                    <code value="J07CA12" />
455                    <display value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
      Hepatitis B" />
456                  </concept>
457                  <concept>
458                    <code value="J07CA13" />
459                    <display value="Diphtherie-Haemophilus influenzae  B-
      Pertussis-Tetanus-Hepatitis B-Meningokokken  A + C" />
460                  </concept>
461                  <concept>
462                    <code value="J06BA" />
463                    <display value="Immunglobuline, normal human" />
464                  </concept>
465                  <concept>
466                    <code value="J06BA01" />
467                    <display value="Immunglobuline, normal human, zur
      extravasalen Anwendung" />
468                  </concept>
469                  <concept>
470                    <code value="J06BA02" />
471                    <display value="Immunglobuline, normal human, zur
      intravasalen Anwendung" />
472                  </concept>
473                  <concept>
474                    <code value="J06BB" />
475                    <display value="Spezifische Immunglobuline" />
476                  </concept>
477                  <concept>
```

```xml
                        <code value="J06BB01" />
                        <display value="Anti-D(rh)-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB02" />
                        <display value="Tetanus-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB03" />
                        <display value="Varicella/Zoster-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB04" />
                        <display value="Hepatitis-B-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB05" />
                        <display value="Tollwut-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB09" />
                        <display value="Cytomegalievirus-Immunglobulin" />
                    </concept>
                    <concept>
                        <code value="J06BB16" />
                        <display value="Palivizumab" />
                    </concept>
                    <concept>
                        <code value="J06BB21" />
                        <display value="Bezlotoxumab" />
                    </concept>
                </include>
        </compose>
    </ValueSet>
```

ARTIKEL 3 - FESTLEGUNGEN ZUR SIGNATUR

Wenn eine Signatur des medizinischen Informationsobjektes Impfpass notwendig ist, erfolgt dies mittels der CAdES-Enveloping Signaturfunktionalität des Konnektors der Telematikinfrastruktur. Die in diesem Zusammenhang vom Primärsystem (= eingesetztes IT-System) als Data To Be Signed Representation (DTBSR) zusammenzustellenden Daten ist eine FHIR-XML-Datei und entspricht dabei der gemäß dem Abschnitt In der "ePA zu speichernde FHIR®-Ressourcen" einer Bundle-Ressource mit der Profilierung KBV_PR_MIO_Vaccination_Bundle_Entry.

Bei der Eintragung von Daten zu durchgeführten Impfungen (entsprechend des §22 IfSG) muss eine Signatur gesetzt werden. Um diesen Fall handelt es sich immer, wenn das Eintragen einer oder mehrerer Impfzeilen durch die ärztliche Person, welche die Impfung gerade durchgeführt hat, erfolgt. In allen anderen Anwendungsfällen (d.h. dem Daten nachtragen bzw. übertragen) kann eine Signatur gesetzt werden.

Bei der Signatur handelt es sich um eine Qualifizierte elektronische Signatur (QES) mit einem elektronischen Heilberufeausweis oder um ein qualifiziertes elektronisches Siegel.

ARTIKEL 4 - INKRAFTTRETEN UND GELTUNG

Diese Festlegung tritt am Tag nach ihrer Veröffentlichung in Kraft. Sie gilt ab dem 01.01.2022.