

MIO-FESTLEGUNG: IMPFPASS

FESTLEGUNG GEMÄSS § 291B ABSATZ 1 SATZ 7 SGB V

KASSENÄRZTLICHE BUNDESVEREINIGUNG

VERSION: 1.0

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®

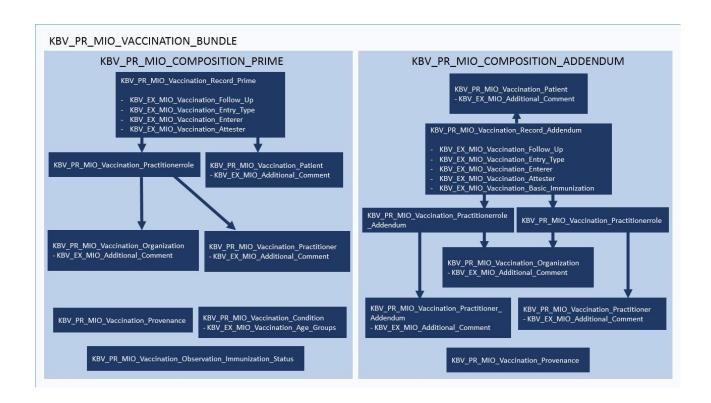
Übergreifend für alle FHIR®-Ressourcen gelten die nachfolgenden Festlegungen:

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 Anwendungszenarios "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 Anwendungszenarios "Daten nachoder 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

·· I date

S Σ 1..1 dateTime

ARTIKEL 2 - FESTLEGUNG DER FHIR®-RESSOURCEN

KBV_PR_MIO_Vaccination_Bundle_Entry

```
<StructureDefinition xmlns="http://hl7.org/fhir">
 1
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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>
              <identity value="cda" />
21
22
              <uri value="http://hl7.org/v3/cda" />
23
              <name value="CDA (R2)" />
24
          </mapping>
25
          <mapping>
26
              <identity value="w5" />
              <uri value="http://hl7.org/fhir/fivews" />
27
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/</pre>
      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>
                      <key value="TypeComposition" />
40
41
                      <severity value="error" />
42
                      <human value="Es muss genau eine Composition_Initial oder</pre>
     Composition_Addendum enthalten sein" />
```

```
43
                       <expression value="entry.where(meta.profile='https://</pre>
      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()" />
44
                       <source value="https://fhir.kbv.de/StructureDefinition/</pre>
      KBV_PR_MIO_Vaccination_Bundle_Entry" />
45
                  </constraint>
46
                  <constraint>
47
                       <key value="OneComposition" />
48
                       <severity value="error" />
49
                       <human value="Es darf genau eine Composition geben" />
50
                       <expression value="entry.where(ofType(Composition)).isDisti</pre>
      nct()" />
                       <source value="https://fhir.kbv.de/StructureDefinition/</pre>
51
      KBV_PR_MIO_Vaccination_Bundle_Entry" />
52
                  </constraint>
53
                  <constraint>
54
                       <key value="UUID" />
55
                       <severity value="error" />
56
                       <human value="Es soll eine UUID verwendet werden." />
57
                       <expression value="identifer.system.startsWith('urn:uuid:')</pre>
      " />
58
                       <source value="https://fhir.kbv.de/StructureDefinition/</pre>
      KBV_PR_MIO_Vaccination_Bundle_Entry" />
59
                  </constraint>
60
              </element>
              <element id="Bundle.id">
61
                   <path value="Bundle.id" />
62
63
                  <min value="1" />
64
              </element>
65
              <element id="Bundle.meta">
66
                   <path value="Bundle.meta" />
                  <min value="1" />
67
68
              </element>
69
              <element id="Bundle.meta.versionId">
70
                   <path value="Bundle.meta.versionId" />
                  <max value="0" />
71
72
              </element>
73
              <element id="Bundle.meta.source">
74
                  <path value="Bundle.meta.source" />
75
                  <max value="0" />
76
              </element>
77
              <element id="Bundle.meta.profile">
78
                  <path value="Bundle.meta.profile" />
79
                  <min value="1" />
80
                  <max value="1" />
81
                  <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
      KBV_PR_MIO_Vaccination_Bundle_Entry|1.00.000" />
82
              </element>
83
              <element id="Bundle.meta.security">
84
                   <path value="Bundle.meta.security" />
                  <max value="0" />
85
86
              </element>
87
              <element id="Bundle.meta.tag">
88
                  <path value="Bundle.meta.tag" />
                  <max value="0" />
89
90
91
              <element id="Bundle.implicitRules">
92
                  <path value="Bundle.implicitRules" />
93
                  <max value="0" />
```

```
94
               </element>
 95
               <element id="Bundle.language">
 96
                   <path value="Bundle.language" />
 97
                   <max value="0" />
 98
               </element>
 99
               <element id="Bundle.identifier">
                   <path value="Bundle.identifier" />
100
                   <min value="1" />
101
102
               </element>
103
               <element id="Bundle.identifier.use">
104
                   <path value="Bundle.identifier.use" />
105
                   <max value="0" />
106
               </element>
               <element id="Bundle.identifier.type">
107
108
                   <path value="Bundle.identifier.type" />
                   <max value="0" />
109
110
               </element>
111
               <element id="Bundle.identifier.system">
112
                   <path value="Bundle.identifier.system" />
113
                   <min value="1" />
114
                   <fixedUri value="urn:ietf:rfc:3986" />
115
               </element>
               <element id="Bundle.identifier.value">
116
117
                   <path value="Bundle.identifier.value" />
118
                   <min value="1" />
119
               </element>
120
               <element id="Bundle.identifier.period">
121
                   <path value="Bundle.identifier.period" />
122
                   <max value="0" />
123
               </element>
124
               <element id="Bundle.identifier.assigner">
125
                   <path value="Bundle.identifier.assigner" />
                   <max value="0" />
126
127
               </element>
128
               <element id="Bundle.type">
129
                   <path value="Bundle.type" />
130
                   <fixedCode value="document" />
131
                   <mustSupport value="true" />
132
               </element>
133
               <element id="Bundle.timestamp">
134
                   <path value="Bundle.timestamp" />
135
                   <min value="1" />
136
               </element>
               <element id="Bundle.total">
137
138
                   <path value="Bundle.total" />
139
                   <max value="0" />
140
               </element>
141
               <element id="Bundle.link">
142
                   <path value="Bundle.link" />
143
                   <max value="0" />
144
               </element>
145
               <element id="Bundle.entry">
146
                   <path value="Bundle.entry" />
147
                   <min value="1" />
148
                   <mustSupport value="true" />
149
               </element>
150
               <element id="Bundle.entry.link">
151
                   <path value="Bundle.entry.link" />
152
                   <max value="0" />
153
               </element>
```

```
154
               <element id="Bundle.entry.fullUrl">
155
                   <path value="Bundle.entry.fullUrl" />
156
                   <min value="1" />
157
               </element>
158
               <element id="Bundle.entry.resource">
159
                   <path value="Bundle.entry.resource" />
160
                   <min value="1" />
161
               </element>
162
               <element id="Bundle.entry.search">
163
                   <path value="Bundle.entry.search" />
164
                   <max value="0" />
165
               </element>
               <element id="Bundle.entry.request">
166
167
                   <path value="Bundle.entry.request" />
                   <max value="0" />
168
               </element>
169
170
               <element id="Bundle.entry.response">
171
                   <path value="Bundle.entry.response" />
172
                   <max value="0" />
173
               </element>
174
               <element id="Bundle.signature">
175
                   <path value="Bundle.signature" />
176
                   <max value="0" />
177
               </element>
178
           </differential>
179
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Composition_Prime

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="cda" />
21
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>
              <identity value="w5" />
31
              <uri value="http://hl7.org/fhir/fivews" />
32
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/</pre>
      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>
              <element id="Composition.id">
45
46
                  <path value="Composition.id" />
47
                  <min value="1" />
48
              </element>
```

```
49
               <element id="Composition.meta">
 50
                   <path value="Composition.meta" />
 51
                   <min value="1" />
 52
               </element>
 53
               <element id="Composition.meta.versionId">
 54
                   <path value="Composition.meta.versionId" />
                   <max value="0" />
 55
 56
               </element>
 57
               <element id="Composition.meta.lastUpdated">
 58
                   <path value="Composition.meta.lastUpdated" />
 59
                   <max value="0" />
 60
               </element>
 61
               <element id="Composition.meta.source">
                   <path value="Composition.meta.source" />
 62
                   <max value="0" />
 63
 64
               </element>
 65
               <element id="Composition.meta.profile">
 66
                   <path value="Composition.meta.profile" />
                   <min value="1" />
 67
 68
                   <max value="1" />
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
 69
       KBV_PR_MIO_Vaccination_Composition_Prime|1.00.000" />
 70
               </element>
 71
               <element id="Composition.meta.security">
 72
                   <path value="Composition.meta.security" />
                   <max value="0" />
 73
 74
               </element>
 75
               <element id="Composition.meta.tag">
 76
                   <path value="Composition.meta.tag" />
 77
                   <max value="0" />
 78
 79
               <element id="Composition.implicitRules">
 80
                   <path value="Composition.implicitRules" />
 81
                   <max value="0" />
 82
               </element>
 83
               <element id="Composition.language">
 84
                   <path value="Composition.language" />
 85
                   <max value="0" />
 86
               </element>
 87
               <element id="Composition.text.status">
 88
                   <path value="Composition.text.status" />
 89
                   <fixedCode value="extensions" />
 90
               </element>
 91
               <element id="Composition.contained">
 92
                   <path value="Composition.contained" />
 93
                   <max value="0" />
               </element>
 94
 95
               <element id="Composition.identifier">
 96
                   <path value="Composition.identifier" />
 97
                   <max value="0" />
 98
               </element>
 99
               <element id="Composition.status">
100
                   <path value="Composition.status" />
                   <fixedCode value="final" />
101
102
               </element>
103
               <element id="Composition.type">
104
                   <path value="Composition.type" />
105
                   <definition value="Code aus dem Profil IHE Immunization Content
       (IC) zur Beschreibung der History of Immunization" />
106
                   <mustSupport value="true" />
```

```
107
               </element>
108
               <element id="Composition.type.coding">
109
                   <path value="Composition.type.coding" />
                   <min value="1" />
110
                   <max value="1" />
111
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>
               <element id="Composition.type.coding.code">
118
119
                   <path value="Composition.type.coding.code" />
                   <min value="1" />
120
121
                   <fixedCode value="11369-6" />
122
               </element>
123
               <element id="Composition.type.coding.display">
124
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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" />
                   <max value="0" />
133
134
               </element>
135
               <element id="Composition.type.text">
136
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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" />
                   <min value="1" />
148
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">
                   <path value="Composition.subject.type" />
160
161
                   <max value="0" />
162
163
               <element id="Composition.subject.identifier">
```

```
164
                   <path value="Composition.subject.identifier" />
                   <max value="0" />
165
166
               </element>
167
               <element id="Composition.subject.display">
168
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
                       <valueBoolean value="true" />
169
170
                   </extension>
171
                   <path value="Composition.subject.display" />
172
                   <max value="0" />
173
               </element>
               <element id="Composition.encounter">
174
175
                   <path value="Composition.encounter" />
                   <max value="0" />
176
177
               </element>
               <element id="Composition.date">
178
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." />
                   <max value="1" />
186
187
                   <type>
                       <code value="Reference" />
188
189
                       <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
190
                   </type>
191
                   <mustSupport value="true" />
192
                   <mapping>
                        <identity value="MIO-Impfpass" />
193
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" />
                   <max value="0" />
203
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">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
210
       elementdefinition-translatable">
211
                       <valueBoolean value="true" />
212
                   </extension>
213
                   <path value="Composition.author.display" />
                   <max value="0" />
214
215
216
               <element id="Composition.confidentiality">
217
                   <path value="Composition.confidentiality" />
218
                   <max value="0" />
```

```
219
               </element>
220
               <element id="Composition.attester">
                   <path value="Composition.attester" />
221
                   <max value="0" />
222
223
                   <mapping>
224
                       <identity value="MIO-Impfpass" />
225
                       <map value="Impfung.Verantwortliche Person" />
226
                   </mapping>
227
               </element>
228
               <element id="Composition.custodian">
229
                   <path value="Composition.custodian" />
                   <max value="0" />
230
231
               </element>
               <element id="Composition.relatesTo">
232
233
                   <path value="Composition.relatesTo" />
                   <max value="0" />
234
235
               </element>
236
               <element id="Composition.event">
237
                   <path value="Composition.event" />
238
                   <max value="0" />
239
               </element>
240
               <element id="Composition.section">
241
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-explicit-type-name">
242
                       <valueString value="Section" />
243
                   </extension>
                   <path value="Composition.section" />
244
245
                   <slicing>
246
                       <discriminator>
247
                           <type value="value" />
248
                            <path value="code.coding.code" />
249
                       </discriminator>
                       <rul>rules value="closed" />
250
251
                   </slicing>
252
                   <min value="1" />
253
               </element>
254
               <element id="Composition.section:Record_Prime">
255
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-explicit-type-name">
256
                       <valueString value="Section" />
257
                   </extension>
258
                   <path value="Composition.section" />
259
                   <sliceName value="Record_Prime" />
                   <max value="1" />
260
261
                   <mustSupport value="true" />
262
263
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266
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                   <max value="1" />
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276
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```

```
277
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279
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280
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284
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285
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286
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       ted">
287
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290
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293
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323
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324
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```

```
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472
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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
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601
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619
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629
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630
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631
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632
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```

KBV_PR_MIO_Vaccination_Composition_Addendum

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 2
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 3
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 4
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 5
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 6
          <date value="2020-05-19" />
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved." />
 9
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11
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13
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33
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                   <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" />
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133
134
               </element>
135
               <element id="Composition.type.text">
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136
       elementdefinition-translatable">
137
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138
                   </extension>
139
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140
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141
               </element>
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               </element>
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147
148
                   <min value="1" />
149
                   <type>
150
                       <code value="Reference" />
                       <targetProfile value="https://fhir.kbv.de/
151
       StructureDefinition/KBV_PR_MIO_Vaccination_Patient|1.00.000" />
152
                   </type>
153
                   <mustSupport value="true" />
154
               </element>
155
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156
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158
               </element>
159
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160
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               </element>
               <element id="Composition.subject.identifier">
163
164
                   <path value="Composition.subject.identifier" />
165
                   <max value="0" />
```

```
166
               </element>
167
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168
       elementdefinition-translatable">
169
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170
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173
               </element>
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178
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183
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185
                   <type>
186
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187
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188
                   </type>
189
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190
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193
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194
               </element>
195
               <element id="Composition.author.type">
196
                   <path value="Composition.author.type" />
197
                   <max value="0" />
198
199
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200
                   <path value="Composition.author.identifier" />
201
                   <max value="0" />
202
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203
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204
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205
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206
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207
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221
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222
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```

```
223
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232
                        <valueString value="Section" />
233
                   </extension>
234
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235
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236
                       <discriminator>
                            <type value="value" />
237
238
                            <path value="code.coding.code" />
                       </discriminator>
239
240
                        <rul>rules value="closed" />
241
                   </slicing>
242
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243
                   <max value="1" />
244
               </element>
245
               <element id="Composition.section:Record_Addendum">
246
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-explicit-type-name">
247
                        <valueString value="Section" />
248
                   </extension>
249
                   <path value="Composition.section" />
250
                   <sliceName value="Record_Addendum" />
251
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252
                    <max value="1" />
253
                   <mustSupport value="true" />
254
               </element>
255
               <element id="Composition.section:Record_Addendum.title">
256
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                   <max value="0" />
257
258
               </element>
259
               <element id="Composition.section:Record_Addendum.code">
260
                   <path value="Composition.section.code" />
                    <min value="1" />
261
262
               </element>
263
               <element id="Composition.section:Record_Addendum.code.coding">
264
                    <path value="Composition.section.code.coding" />
                    <min value="1" />
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266
                    <max value="1" />
               </element>
267
268
               <element id="Composition.section:Record_Addendum.code.coding.system</pre>
       115
269
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270
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
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276
                   <fixedCode value="IMMUCAT" />
277
278
               <element id="Composition.section:Record_Addendum.author">
```

```
279
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280
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281
               </element>
282
               <element id="Composition.section:Record_Addendum.focus">
283
                   <path value="Composition.section.focus" />
284
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285
               </element>
286
               <element id="Composition.section:Record_Addendum.text">
287
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288
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289
               </element>
290
               <element id="Composition.section:Record_Addendum.mode">
291
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292
293
               </element>
294
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295
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296
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297
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
               </element>
305
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/</pre>
       elementdefinition-translatable">
320
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321
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322
                   <path value="Composition.section.entry.display" />
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323
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" />
               </element>
332
333
           </differential>
334
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Condition

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://snomed.info/conceptdomain" />
17
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>
              <identity value="w5" />
31
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" />
          <type value="Condition" />
42
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
43
      Condition" />
44
          <derivation value="constraint" />
45
          <differential>
46
              <element id="Condition">
47
                  <path value="Condition" />
                  <definition value="Dieses Profil enthält alle Informationen zu
48
      einer vorangegangenen / durchlebten Erkrankung/Infektionskrankheit, die zu
      einer Immunität geführt hat. Die Immunität führt dazu, dass in der Regel
      keine Impfung notwendig ist." />
```

```
49
                   comment value="Zu diesem Profil kann eine Provenance-Ressource"
       angehängt werden." />
 50
                   <constraint>
 51
                       <key value="Cond1" />
 52
                       <severity value="error" />
 53
                       <human value="Das Dokumentationsdatum muss mindestens mit
       TT.MM.JJJJ angegeben werden" />
 54
                       <expression value="recordedDate.toString().length>=10" />
 55
                       <source value="https://fhir.kbv.de/StructureDefinition/</pre>
       KBV_PR_MIO_Vaccination_Condition" />
 56
                   </constraint>
 57
               </element>
               <element id="Condition.id">
 58
                   <path value="Condition.id" />
 59
                   <min value="1" />
 60
 61
               </element>
 62
               <element id="Condition.meta">
 63
                   <path value="Condition.meta" />
 64
                   <min value="1" />
 65
               </element>
               <element id="Condition.meta.versionId">
 66
 67
                   <path value="Condition.meta.versionId" />
                   <max value="0" />
 68
 69
               </element>
 70
               <element id="Condition.meta.lastUpdated">
 71
                   <path value="Condition.meta.lastUpdated" />
 72
                   <max value="0" />
 73
               </element>
 74
               <element id="Condition.meta.source">
 75
                   <path value="Condition.meta.source" />
 76
                   <max value="0" />
 77
               </element>
 78
               <element id="Condition.meta.profile">
 79
                   <path value="Condition.meta.profile" />
 80
                   <min value="1" />
 81
                   <max value="1" />
 82
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
       KBV_PR_MIO_Vaccination_Condition|1.00.000" />
 83
               </element>
 84
               <element id="Condition.meta.security">
                   <path value="Condition.meta.security" />
 85
 86
                   <max value="0" />
 87
               </element>
 88
               <element id="Condition.meta.tag">
 89
                   <path value="Condition.meta.tag" />
 90
                   <max value="0" />
 91
               </element>
 92
               <element id="Condition.implicitRules">
 93
                   <path value="Condition.implicitRules" />
                   <max value="0" />
 94
 95
               </element>
 96
               <element id="Condition.language">
 97
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 98
                   <max value="0" />
 99
               </element>
               <element id="Condition.text">
100
                   <path value="Condition.text" />
101
102
                   <min value="1" />
103
               </element>
104
               <element id="Condition.contained">
```

```
105
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106
                   <max value="0" />
107
               </element>
108
               <element id="Condition.identifier">
109
                   <path value="Condition.identifier" />
110
                   <max value="0" />
111
               </element>
               <element id="Condition.clinicalStatus">
112
113
                   <path value="Condition.clinicalStatus" />
                   <min value="1" />
114
115
                   <mustSupport value="true" />
116
               </element>
117
               <element id="Condition.clinicalStatus.coding">
                   <path value="Condition.clinicalStatus.coding" />
118
119
                   <min value="1" />
                   <max value="1" />
120
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/</pre>
       elementdefinition-translatable">
133
                       <valueBoolean value="true" />
134
135
                   <path value="Condition.clinicalStatus.text" />
136
                   <max value="0" />
137
               </element>
138
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139
                   <path value="Condition.verificationStatus" />
140
                   <min value="1" />
141
                   <mustSupport value="true" />
142
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143
               <element id="Condition.verificationStatus.coding">
144
                   <path value="Condition.verificationStatus.coding" />
145
                   <min value="1" />
                   <max value="1" />
146
147
               </element>
               <element id="Condition.verificationStatus.coding.system">
148
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" />
                   <min value="1" />
154
155
                   <fixedCode value="confirmed" />
156
157
               <element id="Condition.verificationStatus.coding.userSelected">
158
                   <path value="Condition.verificationStatus.coding.userSelected"</pre>
       />
159
                   <max value="0" />
160
               </element>
161
               <element id="Condition.verificationStatus.text">
```

```
162
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       elementdefinition-translatable">
163
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164
                   </extension>
165
                   <path value="Condition.verificationStatus.text" />
166
                    <max value="0" />
167
               </element>
168
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169
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170
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171
               </element>
               <element id="Condition.severity">
172
173
                   <path value="Condition.severity" />
                    <max value="0" />
174
175
               </element>
               <element id="Condition.code">
176
177
                    <path value="Condition.code" />
178
                   <short value="Diagnosecode" />
179
                   <definition value="Dieses Element beschreibt die durchgemachte</pre>
       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</pre>
       (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>
                            <type value="value" />
188
189
                            <path value="system" />
190
                        </discriminator>
191
                        <rules value="closed" />
192
                   </slicing>
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193
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
                   <br/>
<br/>
ding>
204
                        <strength value="required" />
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
205
       KBV_VS_MIO_Vaccination_Prior_Disease" />
206
                   </binding>
207
                    <mapping>
208
                        <identity value="MIO-Impfpass" />
209
                        <map value="Impfrelevante-Erkrankung.Diagnosecode/-</pre>
       Bezeichung" />
210
                    </mapping>
211
               </element>
212
               <element id="Condition.code.coding:snomed_CT.system">
213
                   <path value="Condition.code.coding.system" />
```

```
214
                   <min value="1" />
215
                    <fixedUri value="http://snomed.info/sct" />
216
               <element id="Condition.code.coding:snomed_CT.version">
217
                   <path value="Condition.code.coding.version" />
218
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/</pre>
       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" />
               </element>
235
236
               <element id="Condition.code.coding:icd-10-gm">
237
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238
                   <sliceName value="icd-10-gm" />
239
                   <max value="1" />
240
                   <mustSupport value="true" />
241
                   <br/>
<br/>
dinding>
242
                        <strength value="required" />
243
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
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244
                   </binding>
245
                   <mapping>
246
                        <identity value="MIO-Impfpass" />
247
                        <map value="Impfrelevante-Erkrankung.Diagnosecode/-</pre>
       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" />
                   <fixedUri value="http://fhir.de/CodeSystem/dimdi/icd-10-gm" />
253
254
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" />
                   <min value="1" />
261
262
               </element>
263
               <element id="Condition.code.coding:icd-10-gm.display">
264
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
265
                        <valueBoolean value="true" />
266
267
                    <path value="Condition.code.coding.display" />
268
                    <min value="1" />
269
               </element>
```

```
270
               <element id="Condition.code.coding:icd-10-gm.userSelected">
271
                   <path value="Condition.code.coding.userSelected" />
                   <max value="0" />
272
273
               </element>
               <element id="Condition.code.text">
274
275
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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">
                   <path value="Condition.bodySite" />
284
285
                   <max value="0" />
286
               </element>
287
               <element id="Condition.subject">
                   <path value="Condition.subject" />
288
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/</pre>
       elementdefinition-translatable">
308
                       <valueBoolean value="true" />
309
                   </extension>
310
                   <path value="Condition.subject.display" />
                   <max value="0" />
311
312
               </element>
313
               <element id="Condition.encounter">
314
                   <path value="Condition.encounter" />
                   <max value="0" />
315
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
                        file 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</pre>
      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"</pre>
      Zeitraum" />
362
                   </mapping>
363
               </element>
364
               <element id="Condition.onset[x]:onsetString.extension:lebensphase.v</pre>
       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</pre>
       alue[x]:valueCodeableConcept.coding.display">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
369
       elementdefinition-translatable">
370
                        <valueBoolean value="true" />
371
                   </extension>
372
                   <path value="Condition.onset[x].extension.value[x].coding.displ</pre>
      ay" />
373
               </element>
374
               <element id="Condition.onset[x]:onsetString.extension:lebensphase.v</pre>
       alue[x]:valueCodeableConcept.text">
```

```
375
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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" />
                   <definition value="Zeitpunkt, an dem eine Krankheit z. B. durch
387
       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" /</pre>
393
                   </mapping>
394
               </element>
               <element id="Condition.recorder">
395
396
                   <path value="Condition.recorder" />
397
                   <short value="Eintragende Person" />
398
                   <definition value="Diese Person hat den Eintrag im digitalen</pre>
       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
408
               </element>
               <element id="Condition.recorder.reference">
409
                   <path value="Condition.recorder.reference" />
410
411
                   <min value="1" />
412
               </element>
413
               <element id="Condition.recorder.type">
414
                   <path value="Condition.recorder.type" />
415
                   <max value="0" />
416
               </element>
               <element id="Condition.recorder.identifier">
417
418
                   <path value="Condition.recorder.identifier" />
419
                   <max value="0" />
420
               </element>
               <element id="Condition.recorder.display">
421
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
422
       elementdefinition-translatable">
423
                       <valueBoolean value="true" />
424
                   </extension>
```

```
425
                   <path value="Condition.recorder.display" />
426
                   <max value="0" />
427
               </element>
428
               <element id="Condition.asserter">
429
                   <path value="Condition.asserter" />
430
                   <max value="0" />
431
               </element>
432
               <element id="Condition.stage">
433
                   <path value="Condition.stage" />
434
                   <max value="0" />
435
               </element>
               <element id="Condition.evidence">
436
                   <path value="Condition.evidence" />
437
438
                   <max value="0" />
               </element>
439
440
               <element id="Condition.note">
441
                   <path value="Condition.note" />
442
                   <short value="Diagnoseerläuterung" />
443
                   <definition value="Damit soll dem Arzt die Möglichkeit gegeben</pre>
       werden evt. nähere Angaben zu einer Diagnose in Form von Freitext zu
       machen" />
444
                   <max value="1" />
445
                   <mustSupport value="true" />
446
                   <mapping>
447
                       <identity value="MIO-Impfpass" />
448
                       <map value="Impfrelevante Erkrankung.Diagnoseerläuterung" /</pre>
449
                   </mapping>
450
               </element>
451
               <element id="Condition.note.author[x]">
452
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453
                   <max value="0" />
454
               </element>
455
               <element id="Condition.note.time">
456
                   <path value="Condition.note.time" />
457
                   <max value="0" />
458
               </element>
459
           </differential>
460
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Observation_Immunization_Status

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (KBV). All rights reserved." />
 9
          <fhirVersion value="4.0.1" />
10
          <kind value="resource" />
11
          <abstract value="false" />
12
          <type value="Observation" />
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
13
      Observation" />
14
          <derivation value="constraint" />
15
          <differential>
              <element id="Observation">
16
17
                  <path value="Observation" />
18
                  <short value="Titer" />
19
                  <definition value="In diesem Profil können Ergebnisse von</pre>
      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>
                      <key value="issued" />
22
23
                      <severity value="error" />
24
                      <human value="Das Untersuchungsdatum muss mindestens 8
      Stellen haben" />
25
                      <expression value="issued.toString().length()>=8" />
                      <source value="Observation" />
26
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" />
                  <min value="1" />
35
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">
```

```
42
                  <path value="Observation.meta.lastUpdated" />
43
                  <max value="0" />
44
              </element>
45
              <element id="Observation.meta.source">
46
                  <path value="Observation.meta.source" />
47
                  <max value="0" />
48
              </element>
              <element id="Observation.meta.profile">
49
50
                  <path value="Observation.meta.profile" />
51
                  <min value="1" />
52
                  <max value="1" />
53
                  <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
      KBV_PR_MIO_Vaccination_Observation_Immunization_Status|1.00.000" />
54
              </element>
55
              <element id="Observation.meta.security">
56
                  <path value="Observation.meta.security" />
57
                  <max value="0" />
58
              </element>
59
              <element id="Observation.meta.tag">
60
                  <path value="Observation.meta.tag" />
                  <max value="0" />
61
62
              </element>
              <element id="Observation.implicitRules">
63
64
                  <path value="Observation.implicitRules" />
65
                  <max value="0" />
66
              </element>
67
              <element id="Observation.language">
68
                  <path value="Observation.language" />
69
                  <max value="0" />
70
              </element>
71
              <element id="Observation.text">
72
                  <path value="Observation.text" />
73
                  <min value="1" />
74
              </element>
75
              <element id="Observation.contained">
76
                  <path value="Observation.contained" />
                  <max value="0" />
77
78
              </element>
79
              <element id="Observation.identifier">
                  <path value="Observation.identifier" />
80
                  <max value="0" />
81
82
              </element>
              <element id="Observation.basedOn">
83
                  <path value="Observation.basedOn" />
84
                  <max value="0" />
85
86
              </element>
              <element id="Observation.partOf">
87
88
                  <path value="Observation.partOf" />
89
                  <max value="0" />
90
              </element>
91
              <element id="Observation.status">
92
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-display-hint">
93
                      <valueString value="default: final" />
94
                  </extension>
95
                  <path value="Observation.status" />
96
                  <fixedCode value="final" />
97
              </element>
98
              <element id="Observation.category">
99
                  <path value="Observation.category" />
```

```
100
                    <max value="0" />
101
               </element>
102
               <element id="Observation.code.coding">
103
                    <path value="Observation.code.coding" />
104
                    <slicing>
105
                        <discriminator>
106
                            <type value="value" />
107
                            <path value="system" />
108
                        </discriminator>
109
                        <rul>rules value="closed" />
110
                    </slicing>
                    <min value="1" />
111
112
                    <max value="2" />
113
               </element>
114
               <element id="Observation.code.coding:snomedCT">
115
                    <path value="Observation.code.coding" />
116
                    <sliceName value="snomedCT" />
117
                    <min value="1" />
                    <max value="1" />
118
119
                    <br/>
<br/>
dinding>
120
                        <strength value="required" />
121
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed" />
122
                    </binding>
123
               </element>
               <element id="Observation.code.coding:snomedCT.system">
124
125
                    <path value="Observation.code.coding.system" />
                    <min value="1" />
126
127
                    <fixedUri value="http://snomed.info/sct" />
128
               </element>
129
               <element id="Observation.code.coding:snomedCT.version">
130
                    <path value="Observation.code.coding.version" />
131
                    <min value="1" />
132
               </element>
133
               <element id="Observation.code.coding:snomedCT.code">
134
                    <path value="Observation.code.coding.code" />
                    <min value="1" />
135
136
               </element>
137
               <element id="Observation.code.coding:snomedCT.display">
138
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
139
                        <valueBoolean value="true" />
140
                    </extension>
141
                    <path value="Observation.code.coding.display" />
                    <min value="1" />
142
143
               </element>
144
               <element id="Observation.code.coding:loinc">
145
                    <path value="Observation.code.coding" />
146
                    <sliceName value="loinc" />
147
                    <max value="1" />
148
                   <br/>
<br/>
dinding>
149
                        <strength value="required" />
150
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" />
151
                    </binding>
152
               </element>
153
               <element id="Observation.code.coding:loinc.system">
                    <path value="Observation.code.coding.system" />
154
155
                    <min value="1" />
156
                   <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" />
                   <min value="1" />
164
165
               </element>
166
               <element id="Observation.code.coding:loinc.display">
167
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
                       <valueBoolean value="true" />
168
169
                   </extension>
170
                   <path value="Observation.code.coding.display" />
171
                   <min value="1" />
172
               </element>
173
               <element id="Observation.code.text">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
174
       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>
                   <mustSupport value="true" />
188
189
               </element>
190
               <element id="Observation.subject.reference">
191
                   <path value="Observation.subject.reference" />
192
                   <min value="1" />
193
194
               <element id="Observation.subject.type">
                   <path value="Observation.subject.type" />
195
196
                   <max value="0" />
197
               </element>
198
               <element id="Observation.subject.identifier">
199
                   <path value="Observation.subject.identifier" />
                   <max value="0" />
200
201
               </element>
202
               <element id="Observation.subject.display">
203
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
204
                       <valueBoolean value="true" />
205
206
                   <path value="Observation.subject.display" />
                   <max value="0" />
207
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" />
                   <definition value="Dieses Element beschreibt das Datum, wann
224
       die Laboruntersuchung des Titers durchgeführt wurde." />
225
                   <min value="1" />
                   <mustSupport value="true" />
226
227
                   <mapping>
228
                       <identity value="MIO-Impfpass" />
229
                       <map value="Titer.Datum der Untersuchung" />
230
                   </mapping>
231
               </element>
232
               <element id="Observation.performer">
233
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234
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235
                   <type>
236
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237
                       <targetProfile value="https://fhir.kbv.de/
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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>
                           <type value="value" />
249
250
                           <path value="url" />
251
                       </discriminator>
252
                       <rul>rules value="open" />
253
                   </slicing>
254
               </element>
255
               <element id="Observation.performer.extension:function">
256
                   <path value="Observation.performer.extension" />
                   <sliceName value="function" />
257
258
                   <type>
259
                       <code value="Extension" />
260
                       file value="http://hl7.org/fhir/StructureDefinition/"
       event-performerFunction" />
261
                   </type>
262
                   <mustSupport value="true" />
263
264
               <element id="Observation.performer.extension:function.value[x]:valu</pre>
       eCodeableConcept">
```

```
265
                    <path value="Observation.performer.extension.value[x]" />
266
                    <sliceName value="valueCodeableConcept" />
267
               </element>
268
               <element id="Observation.performer.extension:function.value[x]:valu</pre>
       eCodeableConcept.coding">
269
                   <path value="Observation.performer.extension.value[x].coding" /</pre>
270
                   <min value="1" />
                   <max value="1" />
271
272
               </element>
273
               <element id="Observation.performer.extension:function.value[x]:valu</pre>
       eCodeableConcept.coding.system">
274
                   <path value="Observation.performer.extension.value[x].coding.sy</pre>
       stem" />
                   <min value="1" />
275
276
               </element>
277
               <element id="Observation.performer.extension:function.value[x]:valu</pre>
       eCodeableConcept.coding.code">
278
                   <path value="Observation.performer.extension.value[x].coding.co</pre>
       de" />
279
                   <min value="1" />
280
               </element>
281
               <element id="Observation.performer.extension:function.value[x]:valu</pre>
       eCodeableConcept.text">
282
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
283
                        <valueBoolean value="true" />
                   </extension>
284
285
                   <path value="Observation.performer.extension.value[x].text" />
286
                   <max value="0" />
287
288
               <element id="Observation.performer.reference">
289
                    <path value="Observation.performer.reference" />
290
                    <min value="1" />
291
                   <mustSupport value="true" />
292
               </element>
293
               <element id="Observation.performer.type">
294
                    <path value="Observation.performer.type" />
295
                   <max value="0" />
296
               </element>
297
               <element id="Observation.performer.identifier">
298
                   <path value="Observation.performer.identifier" />
299
                   <max value="0" />
300
               </element>
301
               <element id="Observation.performer.display">
302
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
303
                        <valueBoolean value="true" />
304
                   </extension>
305
                   <path value="Observation.performer.display" />
                   <max value="0" />
306
307
               </element>
308
               <element id="Observation.value[x]">
309
                    <path value="Observation.value[x]" />
                   <max value="0" />
310
311
               </element>
               <element id="Observation.dataAbsentReason">
312
313
                    <path value="Observation.dataAbsentReason" />
314
                    <max value="0" />
315
               </element>
```

```
316
               <element id="Observation.interpretation">
317
                   <path value="Observation.interpretation" />
318
                   <short value="Nachweisbarkeit" />
319
                   <definition value="Die Nachweisbarkeit beschreibt das Erreichen</pre>
       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
                   <br/>
<br/>
dinding>
324
                       <strength value="required" />
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
325
       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>
               <element id="Observation.interpretation.coding.system">
338
                   <path value="Observation.interpretation.coding.system" />
339
340
                   <min value="1" />
341
342
               <element id="Observation.interpretation.coding.version">
343
                   <path value="Observation.interpretation.coding.version" />
344
                   <min value="1" />
345
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/</pre>
       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" />
               </element>
360
361
               <element id="Observation.interpretation.text">
362
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
363
                       <valueBoolean value="true" />
364
                   </extension>
                   <path value="Observation.interpretation.text" />
365
```

```
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>
               <element id="Observation.note">
370
371
                   <path value="Observation.note" />
372
                   <short value="Ergänzende Angaben zur Titerbestimmung" />
373
                   <definition value="Ergänzende Angaben zur Titerbestimmung" />
                   <max value="1" />
374
375
                   <mustSupport value="true" />
376
                   <mapping>
                       <identity value="MIO-Impfpass" />
377
378
                       <map value="Titer.Ergänzende Angaben zur Titerbestimmung" /</pre>
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" />
                   <max value="0" />
387
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">
                   <path value="Observation.device" />
402
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" />
                   <max value="0" />
411
412
               </element>
               <element id="Observation.derivedFrom">
413
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>
```

KBV_PR_MIO_Vaccination_Patient

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://hl7.org/v3/cda" />
17
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" />
              <uri value="http://loinc.org" />
32
33
              <name value="LOINC code for the element" />
34
          </mapping>
35
          <kind value="resource" />
36
          <abstract value="false" />
          <type value="Patient" />
37
38
          <baseDefinition value="https://fhir.kbv.de/StructureDefinition/</pre>
     KBV_PR_Base_Patient | 1.00.002" />
39
          <derivation value="constraint" />
40
          <differential>
41
              <element id="Patient">
                  <path value="Patient" />
42
43
                  <short value="Patient" />
44
                  <definition value="Dieses Element beschreibt eine Person, die
      eine oder mehrere medizinische Leistungen in Anspruch nimmt." />
45
                  <mapping>
                      <identity value="MIO-Impfpass" />
46
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>
               <element id="Patient.meta.versionId">
 58
                   <path value="Patient.meta.versionId" />
 59
 60
                   <max value="0" />
 61
               </element>
               <element id="Patient.meta.lastUpdated">
 62
 63
                   <path value="Patient.meta.lastUpdated" />
                   <max value="0" />
 64
 65
               </element>
               <element id="Patient.meta.source">
 66
 67
                   <path value="Patient.meta.source" />
 68
                   <max value="0" />
 69
               </element>
 70
               <element id="Patient.meta.profile">
 71
                   <path value="Patient.meta.profile" />
                   <min value="1" />
 72
 73
                   <max value="1" />
 74
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
       KBV_PR_MIO_Vaccination_Patient|1.00.000" />
 75
               </element>
               <element id="Patient.meta.security">
 76
 77
                   <path value="Patient.meta.security" />
                   <max value="0" />
 78
 79
               </element>
 80
               <element id="Patient.meta.tag">
 81
                   <path value="Patient.meta.tag" />
                   <max value="0" />
 82
 83
               </element>
 84
               <element id="Patient.implicitRules">
 85
                   <path value="Patient.implicitRules" />
                   <max value="0" />
 86
 87
               </element>
 88
               <element id="Patient.language">
 89
                   <path value="Patient.language" />
                   <max value="0" />
 90
 91
               </element>
 92
               <element id="Patient.contained">
 93
                   <path value="Patient.contained" />
                   <max value="0" />
 94
 95
               <element id="Patient.identifier">
 96
 97
                   <path value="Patient.identifier" />
 98
                   <slicing>
 99
                        <discriminator>
100
                            <type value="value" />
101
                            <path value="type.coding.code" />
102
                        </discriminator>
103
                        <rul>rules value="closed" />
104
                   </slicing>
                   <min value="1" />
105
106
                   <mustSupport value="true" />
107
               </element>
108
               <element id="Patient.identifier:pid">
109
                   <path value="Patient.identifier" />
```

```
110
                   <sliceName value="pid" />
                   <max value="1" />
111
112
               </element>
113
               <element id="Patient.identifier:pid.type.coding:MR-Type">
                   <path value="Patient.identifier.type.coding" />
114
115
                   <sliceName value="MR-Type" />
116
               </element>
117
               <element id="Patient.identifier:pid.type.coding:MR-</pre>
       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/</pre>
       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" />
                   <max value="0" />
130
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" />
                   <sliceName value="versichertenId_GKV" />
138
                   <definition value="Unveränderlicher Teil der einheitlichen</pre>
139
       Krankenversicherungsnummer der GKV gemäß § 290 SGB V." />
                   <mustSupport value="true" />
140
141
                   <mapping>
142
                        <identity value="MIO-Impfpass" />
143
                        <map value="Person.identifier.Versichertennummer" />
144
145
               </element>
146
               <element id="Patient.identifier:versichertenId_GKV.type.coding">
147
                   <path value="Patient.identifier.type.coding" />
                   <max value="1" />
148
149
               </element>
150
               <element id="Patient.identifier:versichertenId_GKV.type.coding:GKV-</pre>
       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-</pre>
       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/</pre>
       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" />
                   <maxLength value="10" />
167
168
               </element>
169
               <element id="Patient.identifier:versichertenId_GKV.period">
170
                   <path value="Patient.identifier.period" />
                   <max value="0" />
171
172
               </element>
173
               <element id="Patient.identifier:versichertenId_GKV.assigner">
174
                   <path value="Patient.identifier.assigner" />
                   <max value="0" />
175
176
               </element>
               <element id="Patient.identifier:versichertennummer pkv">
177
178
                   <path value="Patient.identifier" />
                   <sliceName value="versichertennummer_pkv" />
179
180
                   <mustSupport value="true" />
181
               </element>
182
               <element id="Patient.identifier:versichertennummer_pkv.type.coding:</pre>
       PKV-Type">
183
                   <path value="Patient.identifier.type.coding" />
                   <sliceName value="PKV-Type" />
184
185
               </element>
186
               <element id="Patient.identifier:versichertennummer_pkv.type.coding:</pre>
       PKV-Type.userSelected">
187
                   <path value="Patient.identifier.type.coding.userSelected" />
188
                   <max value="0" />
189
               </element>
               <element id="Patient.identifier:versichertennummer_pkv.type.text">
190
191
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       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</pre>
       t-Type.userSelected">
215
                   <path value="Patient.identifier.type.coding.userSelected" />
216
                   <max value="0" />
217
218
               <element id="Patient.identifier:reisepassnummer.type.text">
```

```
219
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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>
               <element id="Patient.identifier:reisepassnummer.value">
229
230
                   <path value="Patient.identifier.value" />
                   <mustSupport value="true" />
231
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:</pre>
       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:</pre>
       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/</pre>
       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" />
               </element>
274
```

```
275
               <element id="Patient.name">
276
                   <path value="Patient.name" />
277
                   <slicing>
278
                       <discriminator>
                           <type value="value" />
279
280
                           <path value="use" />
281
                       </discriminator>
                       <rul>rules value="closed" />
282
283
                   </slicing>
284
                   <mustSupport value="true" />
285
               </element>
               <element id="Patient.name:name">
286
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/</pre>
       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" />
                       <expression value="given.length()>0" />
301
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>
                       <identity value="MIO-Impfpass" />
311
                       <map value="Patient.Name.Vollständiger Name" />
312
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[</pre>
       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">
                   <path value="Patient.name.family.extension" />
333
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" />
                   <sliceName value="vorsatzwort" />
344
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>
               <element id="Patient.name:name.prefix">
359
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-</pre>
       qualifier.value[x]:valueCode">
372
                   <path value="Patient.name.prefix.extension.value[x]" />
373
                   <sliceName value="valueCode" />
374
                   <min value="1" />
375
376
               <element id="Patient.name:name.suffix">
                   <path value="Patient.name.suffix" />
377
378
                   <max value="0" />
379
               </element>
               <element id="Patient.name:name.period">
380
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>
```

```
389
                       <key value="Geburtsname" />
390
                       <severity value="error" />
                       <human value="Der Geburtsname darf nicht absolut leer
391
       sein" />
392
                       <expression value="family.extension('http://hl7.org/fhir/</pre>
       StructureDefinition/humanname-own-name').valueString.length()>0" />
                       <source value="Patient" />
393
394
                   </constraint>
                   <mustSupport value="true" />
395
396
               </element>
397
               <element id="Patient.name:geburtsname.text">
398
                   <path value="Patient.name.text" />
399
                   <definition value="Vollständiger Name mit allen Vorsatzwörtern,</pre>
       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</pre>
       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
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" />
                   <max value="0" />
434
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>
```

```
444
               <element id="Patient.deceased[x]">
445
                   <path value="Patient.deceased[x]" />
446
                   <max value="0" />
447
               </element>
448
               <element id="Patient.address">
449
                   <path value="Patient.address" />
450
                   <max value="0" />
451
               </element>
452
               <element id="Patient.maritalStatus">
453
                   <path value="Patient.maritalStatus" />
454
                   <max value="0" />
455
               </element>
               <element id="Patient.multipleBirth[x]">
456
457
                   <path value="Patient.multipleBirth[x]" />
458
                   <max value="0" />
459
               </element>
460
               <element id="Patient.photo">
461
                   <path value="Patient.photo" />
                   <max value="0" />
462
463
               </element>
464
               <element id="Patient.contact">
465
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-explicit-type-name">
466
                       <valueString value="Contact" />
467
                   </extension>
468
                   <path value="Patient.contact" />
469
                   <max value="0" />
470
               </element>
471
               <element id="Patient.communication">
472
                   <path value="Patient.communication" />
473
                   <max value="0" />
474
               </element>
475
               <element id="Patient.generalPractitioner">
476
                   <path value="Patient.generalPractitioner" />
477
                   <max value="0" />
478
               </element>
479
               <element id="Patient.managingOrganization">
480
                   <path value="Patient.managingOrganization" />
481
                   <max value="0" />
482
               </element>
483
               <element id="Patient.link">
484
                   <path value="Patient.link" />
485
                   <max value="0" />
486
               </element>
487
           </differential>
488
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Practitioner

```
<StructureDefinition xmlns="http://hl7.org/fhir">
 1
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="servd" />
21
22
              <uri value="http://www.omg.org/spec/ServD/1.0/" />
23
              <name value="ServD" />
24
          </mapping>
25
          <mapping>
26
              <identity value="w5" />
              <uri value="http://hl7.org/fhir/fivews" />
27
28
              <name value="FiveWs Pattern Mapping" />
29
          </mapping>
30
          <kind value="resource" />
31
          <abstract value="false" />
          <type value="Practitioner" />
32
33
          <baseDefinition value="https://fhir.kbv.de/StructureDefinition/</pre>
      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>
              <element id="Practitioner.id">
41
42
                  <path value="Practitioner.id" />
                  <min value="1" />
43
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">
                   <path value="Practitioner.meta.source" />
 58
 59
                   <max value="0" />
 60
               </element>
               <element id="Practitioner.meta.profile">
 61
 62
                   <path value="Practitioner.meta.profile" />
                   <min value="1" />
 63
 64
                   <max value="1" />
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
 65
       KBV_PR_MIO_Vaccination_Practitioner|1.00.000" />
 66
               </element>
 67
               <element id="Practitioner.meta.security">
 68
                   <path value="Practitioner.meta.security" />
                   <max value="0" />
 69
 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" />
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 77
 78
               </element>
 79
               <element id="Practitioner.language">
 80
                   <path value="Practitioner.language" />
                   <max value="0" />
 81
 82
               </element>
 83
               <element id="Practitioner.contained">
 84
                   <path value="Practitioner.contained" />
                   <max value="0" />
 85
 86
               </element>
 87
               <element id="Practitioner.extension:ergaenzende_Angaben">
                   <path value="Practitioner.extension" />
 88
 89
                   <sliceName value="ergaenzende_Angaben" />
 90
 91
                       <code value="Extension" />
 92
                       file 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</pre>
      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
                       <rul>rules value="closed" />
108
                   </slicing>
109
                   <min value="1" />
110
                   <max value="1" />
                   <mustSupport value="true" />
111
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">
                   <path value="Practitioner.identifier.period" />
120
121
                   <max value="0" />
122
               </element>
123
               <element id="Practitioner.identifier:ANR.assigner">
124
                   <path value="Practitioner.identifier.assigner" />
                   <max value="0" />
125
126
               </element>
127
               <element id="Practitioner.identifier:EFN">
128
                   <path value="Practitioner.identifier" />
                   <sliceName value="EFN" />
129
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" />
                   <max value="0" />
138
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</pre>
       einer nicht ärztlichen, behandelnden Person." />
145
                   <max value="1" />
146
                   <mustSupport value="true" />
147
                       <identity value="MIO-Impfpass" />
148
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" />
                   <min value="1" />
162
163
               </element>
164
               <element id="Practitioner.identifier:id.type.coding">
165
                   <path value="Practitioner.identifier.type.coding" />
```

```
166
                   <min value="1" />
                   <max value="1" />
167
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" />
                   <min value="1" />
176
177
                   <fixedCode value="ESN" />
178
               </element>
179
               <element id="Practitioner.identifier:id.type.coding.userSelected">
                   <path value="Practitioner.identifier.type.coding.userSelected"</pre>
180
       />
181
                   <max value="0" />
182
               </element>
183
               <element id="Practitioner.identifier:id.type.text">
184
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
185
                       <valueBoolean value="true" />
186
                   </extension>
187
                   <path value="Practitioner.identifier.type.text" />
                   <max value="0" />
188
189
               </element>
               <element id="Practitioner.identifier:id.value">
190
191
                   <path value="Practitioner.identifier.value" />
192
                   <min value="1" />
193
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">
                   <path value="Practitioner.name" />
207
208
                   <slicing>
                       <discriminator>
209
                            <type value="value" />
210
211
                            <path value="use" />
212
                       </discriminator>
213
                       <rul>rules value="closed" />
214
                   </slicing>
215
                   <mustSupport value="true" />
216
               </element>
               <element id="Practitioner.name:name">
217
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" />
                       <expression value="family.extension('http://hl7.org/fhir/</pre>
225
       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>
                   <mustSupport value="true" />
235
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</pre>
       Name" />
244
                   </mapping>
245
                   <mapping>
                       <identity value="MIO-Impfpass" />
246
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
254
               <element id="Practitioner.name:name.family.extension:namenszusatz">
255
                   <path value="Practitioner.name.family.extension" />
256
                   <sliceName value="namenszusatz" />
                   <mustSupport value="true" />
257
258
                   <mapping>
259
                       <identity value="MIO-Impfpass" />
260
                       <map value="Eintragende Person.Name.Namenszusatz" />
261
                   </mapping>
262
                   <mapping>
                       <identity value="MIO-Impfpass" />
263
264
                       <map value="Verantwortliche Person.Name.Namenszusatz" />
265
                   </mapping>
266
               </element>
267
               <element id="Practitioner.name:name.family.extension:namenszusatz.v</pre>
       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" />
```

```
278
                       <map value="Verantwortliche Person.Name.Nachname" />
279
                   </mapping>
280
                   <mapping>
281
                       <identity value="MIO-Impfpass" />
282
                       <map value="Eintragende Person.Name.Nachname" />
283
                   </mapping>
284
               </element>
285
               <element id="Practitioner.name:name.family.extension:nachname.value</pre>
       [x]:valueString">
286
                   <path value="Practitioner.name.family.extension.value[x]" />
287
                   <sliceName value="valueString" />
288
                   <maxLength value="45" />
289
               </element>
290
               <element id="Practitioner.name:name.family.extension:vorsatzwort">
291
                   <path value="Practitioner.name.family.extension" />
292
                   <sliceName value="vorsatzwort" />
293
                   <mustSupport value="true" />
294
                   <mapping>
                       <identity value="MIO-Impfpass" />
295
296
                       <map value="Verantwortliche Person.Name.Vorsatzwort" />
297
                   </mapping>
298
                   <mapping>
299
                       <identity value="MIO-Impfpass" />
300
                       <map value="Eintragende Person.Name.Vorsatzwort" />
301
                   </mapping>
302
               </element>
303
               <element id="Practitioner.name:name.family.extension:vorsatzwort.va</pre>
       lue[x]:valueString">
304
                   <path value="Practitioner.name.family.extension.value[x]" />
305
                   <sliceName value="valueString" />
306
                   <maxLength value="20" />
307
               </element>
308
               <element id="Practitioner.name:name.given">
309
                   <path value="Practitioner.name.given" />
310
                   <min value="1" />
311
                   <mustSupport value="true" />
312
                   <mapping>
313
                       <identity value="MIO-Impfpass" />
314
                       <map value="Verantwortliche Patient.Name.Vorname" />
315
                   </mapping>
316
                   <mapping>
317
                       <identity value="MIO-Impfpass" />
318
                       <map value="Eintragende Patient.Name.Vorname" />
319
                   </mapping>
320
               </element>
321
               <element id="Practitioner.name:name.prefix">
322
                   <path value="Practitioner.name.prefix" />
323
                   <max value="1" />
324
                   <mustSupport value="true" />
325
                   <mapping>
                       <identity value="MIO-Impfpass" />
326
327
                       <map value="Verantwortliche Patient.Name.Titel" />
328
                   </mapping>
329
                   <mapping>
330
                       <identity value="MIO-Impfpass" />
331
                       <map value="Eintragende Patient.Name.Titel" />
332
                   </mapping>
333
               </element>
334
               <element id="Practitioner.name:name.prefix.extension:prefix-</pre>
       qualifier">
```

```
335
                   <path value="Practitioner.name.prefix.extension" />
336
                   <sliceName value="prefix-qualifier" />
337
               </element>
338
               <element id="Practitioner.name:name.prefix.extension:prefix-</pre>
       qualifier.value[x]:valueCode">
339
                   <path value="Practitioner.name.prefix.extension.value[x]" />
340
                   <sliceName value="valueCode" />
                   <min value="1" />
341
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" />
                   <max value="0" />
349
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</pre>
       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</pre>
       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>
                       <identity value="MIO-Impfpass" />
370
371
                       <map value="Eintragende Person.Name.Geburtsname" />
372
                   </mapping>
373
374
               <element id="Practitioner.name:geburtsname.suffix">
375
                   <path value="Practitioner.name.suffix" />
                   <max value="0" />
376
377
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" />
                   <definition value="Dieses Element beschreibt die</pre>
385
       Kontaktinformationen einer Person." />
386
                   <mustSupport value="true" />
387
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>
               <element id="Practitioner.telecom.use">
404
405
                   <path value="Practitioner.telecom.use" />
                   <max value="0" />
406
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">
                   <path value="Practitioner.telecom.period" />
413
414
                   <max value="0" />
415
               </element>
               <element id="Practitioner.address">
416
417
                   <path value="Practitioner.address" />
                   <max value="0" />
418
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
447
                       <identity value="MIO-Impfpass" />
448
                       <map value="Verantwortliche Person.Funktionsbezeichnung" />
449
                   </mapping>
```

```
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.ide</pre>
       ntifier">
462
                    <path value="Practitioner.gualification.identifier" />
                    <max value="0" />
463
464
               </element>
465
               <element id="Practitioner.qualification:practitioner_speciality.cod"</pre>
       e">
466
                    <path value="Practitioner.qualification.code" />
467
                    <br/>
<br/>
dinding>
468
                        <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-bindingName">
469
                            <valueString value="Qualification" />
470
                        </extension>
                        <strength value="required" />
471
472
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Practitioner_Function" />
473
                    </binding>
474
               </element>
475
               <element id="Practitioner.qualification:practitioner_speciality.cod"</pre>
       e.coding.version">
476
                    <path value="Practitioner.qualification.code.coding.version" />
                    <definition value="Bei einem Snomed CT-Code soll die Version</pre>
477
       mit angegeben werden." />
478
               </element>
479
               <element id="Practitioner.qualification:practitioner_speciality.cod"</pre>
       e.text">
480
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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.per</pre>
       iod">
487
                    <path value="Practitioner.qualification.period" />
488
                    <max value="0" />
489
               </element>
490
               <element id="Practitioner.qualification:practitioner_speciality.iss</pre>
       uer">
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>
```

KBV_PR_MIO_Vaccination_Organization

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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>
              <identity value="rim" />
16
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="servd" />
21
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" />
          <type value="Organization" />
32
33
          <baseDefinition value="https://fhir.kbv.de/StructureDefinition/</pre>
      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">
                  <path value="Organization.id" />
42
43
                  <min value="1" />
44
              </element>
45
              <element id="Organization.meta">
46
                  <path value="Organization.meta" />
                  <min value="1" />
47
48
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">
                   <path value="Organization.meta.profile" />
 62
 63
                   <min value="1" />
                   <max value="1" />
 64
 65
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
       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
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 72
                   <path value="Organization.meta.tag" />
 73
                   <max value="0" />
 74
               </element>
 75
               <element id="Organization.implicitRules">
 76
                   <path value="Organization.implicitRules" />
                   <max value="0" />
 77
 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
                       file 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>
                           <type value="value" />
 99
                            <path value="type.coding.code" />
100
101
                       </discriminator>
102
                       <rul>rules value="closed" />
103
                   </slicing>
                   <max value="1" />
104
                   <mustSupport value="true" />
105
106
               </element>
107
               <element id="Organization.identifier:Institutionskennzeichen">
108
                   <path value="Organization.identifier" />
```

```
109
                    <sliceName value="Institutionskennzeichen" />
110
                    <max value="1" />
                    <mustSupport value="true" />
111
112
               </element>
               <element id="Organization.identifier:Institutionskennzeichen.period</pre>
113
       <mark>"</mark>>
114
                    <path value="Organization.identifier.period" />
                   <max value="0" />
115
116
               </element>
117
               <element id="Organization.identifier:Institutionskennzeichen.assign</pre>
       er">
                    <path value="Organization.identifier.assigner" />
118
119
                    <max value="0" />
               </element>
120
121
               <element id="Organization.identifier:Betriebsstaettennummer">
                   <path value="Organization.identifier" />
122
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" />
                   <max value="0" />
129
130
               </element>
131
               <element id="Organization.identifier:Betriebsstaettennummer.assigne</pre>
       r">
                    <path value="Organization.identifier.assigner" />
132
                    <max value="0" />
133
               </element>
134
135
               <element id="Organization.identifier:VKNR">
136
                    <path value="Organization.identifier" />
137
                   <sliceName value="VKNR" />
                   <max value="0" />
138
139
               </element>
140
               <element id="Organization.identifier:KZV-Abrechnungsnummer">
141
                   <path value="Organization.identifier" />
142
                    <sliceName value="KZV-Abrechnungsnummer" />
                    <max value="0" />
143
144
               </element>
145
               <element id="Organization.active">
146
                   <path value="Organization.active" />
147
                    <max value="0" />
148
               </element>
149
               <element id="Organization.type">
                   <path value="Organization.type" />
150
151
                   <max value="0" />
               </element>
152
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>
               <element id="Organization.telecom.system">
162
163
                   <path value="Organization.telecom.system" />
164
                   <min value="1" />
165
               </element>
```

```
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" />
                   <max value="0" />
172
173
               </element>
174
               <element id="Organization.telecom.rank">
175
                   <path value="Organization.telecom.rank" />
176
                   <max value="0" />
               </element>
177
178
               <element id="Organization.telecom.period">
                   <path value="Organization.telecom.period" />
179
                   <max value="0" />
180
               </element>
181
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>
                   <min value="1" />
191
192
                   <max value="1" />
193
                   <type>
194
                       <code value="Address" />
195
                       file 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" />
                   <min value="1" />
208
               </element>
209
210
               <element id="Organization.address:Strassenanschrift.period">
211
                   <path value="Organization.address.period" />
                   <max value="0" />
212
213
               </element>
214
               <element id="Organization.address:Postfach">
215
                   <path value="Organization.address" />
                   <sliceName value="Postfach" />
216
217
               </element>
218
               <element id="Organization.address:Postfach.use">
219
                   <path value="Organization.address.use" />
                   <max value="0" />
220
221
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" />
                   <max value="0" />
228
229
               </element>
               <element id="Organization.address:Postfach.postalCode">
230
231
                   <path value="Organization.address.postalCode" />
                   <min value="1" />
232
233
               </element>
234
               <element id="Organization.address:Postfach.period">
235
                   <path value="Organization.address.period" />
                   <max value="0" />
236
237
               </element>
238
               <element id="Organization.partOf">
239
                   <path value="Organization.partOf" />
240
                   <max value="0" />
241
               </element>
               <element id="Organization.contact">
242
243
                   <path value="Organization.contact" />
244
                   <max value="0" />
245
               </element>
246
               <element id="Organization.endpoint">
247
                   <path value="Organization.endpoint" />
                   <max value="0" />
248
249
               </element>
250
           </differential>
251
      </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Practitionerrole

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
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      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</pre>
      (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" />
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="servd" />
21
22
              <uri value="http://www.omg.org/spec/ServD/1.0/" />
23
              <name value="ServD" />
24
          </mapping>
25
          <mapping>
26
              <identity value="w5" />
              <uri value="http://hl7.org/fhir/fivews" />
27
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/</pre>
      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>
              <element id="PractitionerRole.id">
40
                  <path value="PractitionerRole.id" />
41
42
                  <min value="1" />
43
              </element>
44
              <element id="PractitionerRole.meta">
45
                  <path value="PractitionerRole.meta" />
                  <min value="1" />
46
47
              </element>
48
              <element id="PractitionerRole.meta.versionId">
49
                  <path value="PractitionerRole.meta.versionId" />
```

```
50
                   <max value="0" />
 51
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 52
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 53
                   <path value="PractitionerRole.meta.lastUpdated" />
 54
                   <max value="0" />
 55
               </element>
 56
               <element id="PractitionerRole.meta.source">
 57
                   <path value="PractitionerRole.meta.source" />
 58
                   <max value="0" />
 59
               </element>
 60
               <element id="PractitionerRole.meta.profile">
                   <path value="PractitionerRole.meta.profile" />
 61
 62
                   <min value="1" />
                   <max value="1" />
 63
 64
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/</pre>
       KBV_PR_MIO_Vaccination_Practitionerrole|1.00.000" />
 65
               </element>
 66
               <element id="PractitionerRole.meta.security">
 67
                   <path value="PractitionerRole.meta.security" />
 68
                   <max value="0" />
 69
               </element>
 70
               <element id="PractitionerRole.meta.tag">
 71
                   <path value="PractitionerRole.meta.tag" />
                   <max value="0" />
 72
 73
               </element>
 74
               <element id="PractitionerRole.implicitRules">
 75
                   <path value="PractitionerRole.implicitRules" />
                   <max value="0" />
 76
 77
               </element>
 78
               <element id="PractitionerRole.language">
 79
                   <path value="PractitionerRole.language" />
 80
                   <max value="0" />
 81
               </element>
 82
               <element id="PractitionerRole.contained">
 83
                   <path value="PractitionerRole.contained" />
                   <max value="0" />
 84
 85
               </element>
 86
               <element id="PractitionerRole.identifier">
 87
                   <path value="PractitionerRole.identifier" />
                   <max value="0" />
 88
 89
               </element>
 90
               <element id="PractitionerRole.active">
 91
                   <path value="PractitionerRole.active" />
                   <max value="0" />
 92
 93
               </element>
 94
               <element id="PractitionerRole.period">
 95
                   <path value="PractitionerRole.period" />
 96
                   <max value="0" />
 97
               </element>
 98
               <element id="PractitionerRole.practitioner">
 99
                   <path value="PractitionerRole.practitioner" />
                   <min value="1" />
100
101
                   <type>
                       <code value="Reference" />
102
103
                       <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitioner | 1.00.000" />
104
                   </type>
                   <mustSupport value="true" />
105
106
107
               <element id="PractitionerRole.practitioner.reference">
```

```
108
                   <path value="PractitionerRole.practitioner.reference" />
109
                   <min value="1" />
110
               </element>
               <element id="PractitionerRole.practitioner.type">
111
                   <path value="PractitionerRole.practitioner.type" />
112
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/</pre>
       elementdefinition-translatable">
                       <valueBoolean value="true" />
121
122
                   </extension>
123
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       elementdefinition-translatable">
149
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150
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```

```
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190
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191
```

KBV_PR_MIO_Vaccination_Practitioner_Addendum

```
1
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 2
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      KBV_PR_MIO_Vaccination_Practitioner_Addendum" />
 3
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 4
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 5
          <status value="active" />
 6
          <date value="2020-05-19" />
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved." />
 9
          <fhirVersion value="4.0.1" />
10
          <mapping>
11
              <identity value="v2" />
12
              <uri value="http://hl7.org/v2" />
13
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14
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15
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16
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17
18
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19
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20
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21
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23
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24
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25
          <mapping>
26
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              <uri value="http://hl7.org/fhir/fivews" />
27
28
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29
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30
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31
          <abstract value="false" />
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32
33
          <baseDefinition value="https://fhir.kbv.de/StructureDefinition/</pre>
      KBV_PR_Base_Practitioner|1.00.002" />
34
          <derivation value="constraint" />
35
          <differential>
36
              <element id="Practitioner">
37
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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
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41
42
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43
44
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49
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```

```
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 86
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 87
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 89
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 90
 91
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 92
                       file value="https://fhir.kbv.de/StructureDefinition/
       KBV_EX_MIO_Vaccination_Additional_Comment|1.00.000" />
 93
                   </type>
 94
                   <mustSupport value="true" />
 95
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 96
                       <identity value="MIO-Impfpass" />
 97
                       <map value="Verantwortliche Person.Ergänzende Angaben zur</pre>
      Person" />
 98
                   </mapping>
 99
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100
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101
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103
                       <discriminator>
104
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105
                           <path value="type.coding.code" />
106
                       </discriminator>
```

```
107
                       <rul>rules value="closed" />
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                   </slicing>
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                   <mustSupport value="true" />
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126
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               </element>
               <element id="Practitioner.identifier:EFN.assigner">
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134
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137
               <element id="Practitioner.identifier:id">
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141
                   <definition value="Nicht näher spezifizierter Identifikator
       einer nicht ärztlichen, behandelnden Person." />
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142
143
                   <mustSupport value="true" />
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146
                       <map value="Verantwortliche Person.identifier" />
147
                   </mapping>
148
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149
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150
                       <map value="Eintragende Person.identifier" />
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                   </mapping>
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154
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165
```

```
166
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       v2-0203" />
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172
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173
174
                   <fixedCode value="ESN" />
175
               </element>
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176
177
                   <path value="Practitioner.identifier.type.coding.userSelected"</pre>
       />
178
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179
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180
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181
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182
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183
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184
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185
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188
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190
               </element>
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               <element id="Practitioner.identifier:id.period">
192
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194
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208
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209
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210
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213
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214
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216
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217
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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/</pre>
       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
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               <element id="Practitioner.name:name.text">
234
235
                   <path value="Practitioner.name.text" />
                   <definition value="Vollständiger Name mit allen Vorsatzwörtern,</pre>
236
       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</pre>
       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
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                   <path value="Practitioner.name.family.extension" />
253
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254
                   <mustSupport value="true" />
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257
                        <map value="Eintragende Person.Name.Namenszusatz" />
258
                   </mapping>
259
                   <mapping>
                        <identity value="MIO-Impfpass" />
260
261
                        <map value="Verantwortliche Person.Name.Namenszusatz" />
262
                   </mapping>
263
264
               <element id="Practitioner.name:name.family.extension:namenszusatz.v</pre>
       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
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270
                   <sliceName value="nachname" />
271
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272
273
274
                        <identity value="MIO-Impfpass" />
275
                        <map value="Verantwortliche Person.Name.Nachname" />
276
                   </mapping>
```

```
277
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278
                       <identity value="MIO-Impfpass" />
279
                        <map value="Eintragende Person.Name.Nachname" />
280
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281
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282
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283
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287
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                   <sliceName value="vorsatzwort" />
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290
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291
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292
                        <identity value="MIO-Impfpass" />
293
                       <map value="Verantwortliche Person.Name.Vorsatzwort" />
                   </mapping>
294
295
                   <mapping>
296
                       <identity value="MIO-Impfpass" />
297
                       <map value="Eintragende Person.Name.Vorsatzwort" />
298
                   </mapping>
299
               </element>
300
               <element id="Practitioner.name:name.family.extension:vorsatzwort.va</pre>
       lue[x]:valueString">
                   <path value="Practitioner.name.family.extension.value[x]" />
301
302
                   <sliceName value="valueString" />
303
                   <maxLength value="20" />
304
               </element>
305
               <element id="Practitioner.name:name.given">
306
                   <path value="Practitioner.name.given" />
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308
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309
                       <identity value="MIO-Impfpass" />
310
                       <map value="Verantwortliche Patient.Name.Vorname" />
311
                   </mapping>
312
                   <mapping>
313
                       <identity value="MIO-Impfpass" />
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314
315
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316
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317
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319
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321
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322
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323
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324
                   </mapping>
325
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326
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327
                       <map value="Eintragende Patient.Name.Titel" />
328
                   </mapping>
329
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330
       qualifier">
331
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332
                   <sliceName value="prefix-qualifier" />
333
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```

```
334
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       qualifier.value[x]:valueCode">
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336
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339
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347
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348
349
                   <sliceName value="geburtsname" />
350
                   <mustSupport value="true" />
351
               </element>
352
               <element id="Practitioner.name:geburtsname.family.extension:nachnam</pre>
       e">
353
                   <path value="Practitioner.name.family.extension" />
354
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355
                   <min value="1" />
356
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357
               <element id="Practitioner.name:geburtsname.family.extension:nachnam</pre>
       e.value[x]:valueString">
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358
359
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360
                   <maxLength value="45" />
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362
363
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364
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365
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366
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367
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368
369
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370
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371
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373
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374
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375
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377
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378
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379
                   <path value="Practitioner.telecom" />
380
                   <short value="Kontaktinformation" />
381
                   <definition value="Dieses Element beschreibt die
       Kontaktinformationen einer Person." />
382
                   <mustSupport value="true" />
383
                   <mapping>
384
                       <identity value="MIO-Impfpass" />
385
                       <map value="Verantwortliche Person.Kontakt" />
386
                   </mapping>
387
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388
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389
                       <map value="Eintragende Person.Kontakt" />
```

```
390
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391
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392
               <element id="Practitioner.telecom.system">
393
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400
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422
                   <max value="0" />
423
               </element>
424
               <element id="Practitioner.photo">
425
                   <path value="Practitioner.photo" />
                   <max value="0" />
426
427
               </element>
428
               <element id="Practitioner.gualification">
429
                   <path value="Practitioner.qualification" />
430
                   <slicing>
431
                       <discriminator>
                           <type value="exists" />
432
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)." />
                   <max value="1" />
439
440
                   <mustSupport value="true" />
441
                   <mapping>
                       <identity value="MIO-Impfpass" />
442
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</pre>
       ntifier">
457
                    <path value="Practitioner.qualification.identifier" />
458
                    <max value="0" />
459
               </element>
460
               <element id="Practitioner.qualification:practitioner_speciality.cod"</pre>
       e">
461
                    <path value="Practitioner.qualification.code" />
462
                    <br/>
<br/>
ding>
463
                        <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-bindingName">
464
                            <valueString value="Qualification" />
465
                        </extension>
466
                        <strength value="required" />
467
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Practitioner_Function" />
468
                    </binding>
469
               </element>
470
               <element id="Practitioner.qualification:practitioner_speciality.cod"</pre>
       e.text">
471
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       iod">
478
                    <path value="Practitioner.qualification.period" />
479
                    <max value="0" />
480
               </element>
481
               <element id="Practitioner.qualification:practitioner_speciality.iss</pre>
       uer">
482
                    <path value="Practitioner.qualification.issuer" />
483
                    <max value="0" />
484
               </element>
485
               <element id="Practitioner.communication">
486
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                    <max value="0" />
487
488
               </element>
489
           </differential>
490
       </StructureDefinition>
```

11. KBV_PR_MIO_VACCINATION_PRACTITIONERROLE_ADDENDUM

KBV_PR_MIO_Vaccination_Practitionerrole_Addendum

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="servd" />
21
22
              <uri value="http://www.omg.org/spec/ServD/1.0/" />
23
              <name value="ServD" />
24
          </mapping>
25
          <mapping>
26
              <identity value="w5" />
              <uri value="http://hl7.org/fhir/fivews" />
27
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/</pre>
      PractitionerRole" />
34
          <derivation value="constraint" />
35
          <differential>
              <element id="PractitionerRole">
36
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>
              <element id="PractitionerRole.id">
40
                  <path value="PractitionerRole.id" />
41
42
                  <min value="1" />
43
              </element>
44
              <element id="PractitionerRole.meta">
45
                  <path value="PractitionerRole.meta" />
                  <min value="1" />
46
47
48
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49
                  <path value="PractitionerRole.meta.versionId" />
```

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

```
107
               <element id="PractitionerRole.practitioner.reference">
108
                   <path value="PractitionerRole.practitioner.reference" />
109
                   <min value="1" />
110
               </element>
               <element id="PractitionerRole.practitioner.type">
111
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" />
               </element>
118
119
               <element id="PractitionerRole.practitioner.display">
120
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       elementdefinition-translatable">
121
                       <valueBoolean value="true" />
122
                   </extension>
123
                   <path value="PractitionerRole.practitioner.display" />
124
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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/
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133
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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" />
                   <max value="0" />
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142
               </element>
               <element id="PractitionerRole.organization.identifier">
143
144
                   <path value="PractitionerRole.organization.identifier" />
                   <max value="0" />
145
146
               </element>
147
               <element id="PractitionerRole.organization.display">
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                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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">
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159
                   <max value="0" />
160
161
               </element>
162
               <element id="PractitionerRole.location">
163
                   <path value="PractitionerRole.location" />
```

```
164
                   <max value="0" />
165
               </element>
166
               <element id="PractitionerRole.healthcareService">
167
                   <path value="PractitionerRole.healthcareService" />
168
                   <max value="0" />
169
               </element>
170
               <element id="PractitionerRole.telecom">
171
                   <path value="PractitionerRole.telecom" />
                   <max value="0" />
172
173
               </element>
174
               <element id="PractitionerRole.availableTime">
                   <path value="PractitionerRole.availableTime" />
175
                   <max value="0" />
176
177
               </element>
               <element id="PractitionerRole.notAvailable">
178
                   <path value="PractitionerRole.notAvailable" />
179
                   <max value="0" />
180
181
               </element>
182
               <element id="PractitionerRole.availabilityExceptions">
183
                   <path value="PractitionerRole.availabilityExceptions" />
184
                   <max value="0" />
185
               </element>
               <element id="PractitionerRole.endpoint">
186
                   <path value="PractitionerRole.endpoint" />
187
188
                   <max value="0" />
189
               </element>
           </differential>
190
191
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Provenance

```
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 1
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
              <uri value="http://hl7.org/v3" />
17
18
              <name value="RIM Mapping" />
19
          </mapping>
20
          <mapping>
              <identity value="w3c.prov" />
21
22
              <uri value="http://www.w3.org/ns/prov" />
23
              <name value="W3C PROV" />
24
          </mapping>
25
          <mapping>
26
              <identity value="w5" />
              <uri value="http://hl7.org/fhir/fivews" />
27
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/</pre>
     Provenance" />
39
          <derivation value="constraint" />
40
          <differential>
              <element id="Provenance">
41
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" />
              </element>
48
```

```
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" />
                   <max value="0" />
 63
 64
               </element>
 65
               <element id="Provenance.meta.profile">
 66
                   <path value="Provenance.meta.profile" />
 67
                   <min value="1" />
 68
                   <max value="1" />
                   <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
 69
       KBV_PR_MIO_Vaccination_Provenance|1.00.000" />
 70
               </element>
 71
               <element id="Provenance.meta.security">
 72
                   <path value="Provenance.meta.security" />
                   <max value="0" />
 73
 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">
                   <path value="Provenance.implicitRules" />
 80
 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">
                   <path value="Provenance.contained" />
 88
 89
                   <max value="0" />
 90
               </element>
 91
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 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>
                   <mustSupport value="true" />
 97
 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>
               <element id="Provenance.target.display">
111
112
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
                        <valueBoolean value="true" />
113
114
                   </extension>
115
                   <path value="Provenance.target.display" />
116
                   <max value="0" />
117
               </element>
118
               <element id="Provenance.occurred[x]">
                   <path value="Provenance.occurred[x]" />
119
                   <max value="0" />
120
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" />
                   <max value="0" />
128
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" />
                   <max value="0" />
149
150
               </element>
               <element id="Provenance.agent.role">
151
152
                   <path value="Provenance.agent.role" />
153
                   <short value="Quelle der Information" />
154
                   <definition value="Quelle der Information" />
155
                   <min value="1" />
                   <max value="1" />
156
157
                   <mustSupport value="true" />
158
                   <br/>
<br/>
dinding>
159
                        <strength value="required" />
160
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       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" />
```

```
165
                   <min value="1" />
                   <max value="1" />
166
167
               </element>
168
               <element id="Provenance.agent.role.coding.system">
169
                   <path value="Provenance.agent.role.coding.system" />
170
                   <min value="1" />
171
               </element>
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172
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/</pre>
       elementdefinition-translatable">
                       <valueBoolean value="true" />
178
179
                   </extension>
180
                   <path value="Provenance.agent.role.coding.display" />
181
                   <min value="1" />
182
               </element>
183
               <element id="Provenance.agent.role.text">
184
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       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
                       file value="http://hl7.org/fhir/StructureDefinition/"
       data-absent-reason" />
212
                   </type>
213
               </element>
214
               <element id="Provenance.agent.who.extension:data-absent-</pre>
       reason.value[x]:valueCode">
215
                   <path value="Provenance.agent.who.extension.value[x]" />
216
                   <sliceName value="valueCode" />
```

```
217
                   <fixedCode value="unknown" />
218
               </element>
219
               <element id="Provenance.agent.who.reference">
220
                   <path value="Provenance.agent.who.reference" />
221
                   <max value="0" />
222
               </element>
               <element id="Provenance.agent.who.type">
223
224
                   <path value="Provenance.agent.who.type" />
225
                   <max value="0" />
226
               </element>
227
               <element id="Provenance.agent.who.identifier">
228
                   <path value="Provenance.agent.who.identifier" />
                   <max value="0" />
229
230
               </element>
231
               <element id="Provenance.agent.who.display">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
232
       elementdefinition-translatable">
233
                       <valueBoolean value="true" />
234
                   </extension>
235
                   <path value="Provenance.agent.who.display" />
236
                   <max value="0" />
237
               </element>
238
               <element id="Provenance.agent.onBehalf0f">
                   <path value="Provenance.agent.onBehalf0f" />
239
                   <max value="0" />
240
241
               </element>
242
               <element id="Provenance.entity">
243
                   <path value="Provenance.entity" />
                   <max value="0" />
244
245
               </element>
246
               <element id="Provenance.signature">
247
                   <path value="Provenance.signature" />
248
                   <max value="0" />
249
               </element>
250
           </differential>
251
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Record_Addendum

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (KBV). All rights reserved." />
 9
          <fhirVersion value="4.0.1" />
10
          <kind value="resource" />
11
          <abstract value="false" />
12
          <type value="Immunization" />
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
13
      Immunization" />
14
          <derivation value="constraint" />
15
          <differential>
              <element id="Immunization">
16
17
                  <path value="Immunization" />
18
                  <short value="Record_Addendum" />
19
                  <definition value="In diesem Profil werden die grundlegenden</pre>
      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">
                  <path value="Immunization.meta.source" />
38
39
                  <max value="0" />
40
              </element>
41
              <element id="Immunization.meta.profile">
42
                  <path value="Immunization.meta.profile" />
                  <min value="1" />
43
                  <max value="1" />
44
45
                  <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
      KBV_PR_MIO_Vaccination_Record_Addendum|1.00.000" />
```

```
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" />
                   <max value="0" />
 53
 54
               </element>
 55
               <element id="Immunization.implicitRules">
 56
                   <path value="Immunization.implicitRules" />
                   <max value="0" />
 57
 58
               </element>
               <element id="Immunization.language">
 59
 60
                   <path value="Immunization.language" />
                   <max value="0" />
 61
 62
               </element>
 63
               <element id="Immunization.text">
 64
                   <path value="Immunization.text" />
 65
                   <min value="1" />
               </element>
 66
 67
               <element id="Immunization.contained">
                   <path value="Immunization.contained" />
 68
                   <max value="0" />
 69
 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
                        file 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</pre>
       eCodeableConcept">
 96
                   <path value="Immunization.extension.value[x]" />
 97
                   <sliceName value="valueCodeableConcept" />
 98
               </element>
               <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu</pre>
 99
       eCodeableConcept.coding.display">
100
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
101
                       <valueBoolean value="true" />
```

```
102
                    </extension>
103
                    <path value="Immunization.extension.value[x].coding.display" />
104
               </element>
105
               <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu</pre>
       eCodeableConcept.text">
106
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
107
                        <valueBoolean value="true" />
108
                   </extension>
109
                    <path value="Immunization.extension.value[x].text" />
110
               </element>
               <element id="Immunization.extension:verantwortliche_Person">
111
112
                    <path value="Immunization.extension" />
                    <sliceName value="verantwortliche Person" />
113
                   <max value="1" />
114
115
                   <type>
116
                        <code value="Extension" />
117
                        file value="https://fhir.kbv.de/StructureDefinition/"
       KBV_EX_MIO_Vaccination_Attester | 1.00.000" />
118
                   </type>
119
                    <mustSupport value="true" />
120
                    <mapping>
121
                        <identity value="MIO-Impfpass" />
122
                        <map value="Impfung.Verantwortliche Person" />
123
                    </mapping>
124
               </element>
125
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:mode">
126
                    <path value="Immunization.extension.extension" />
127
                   <sliceName value="mode" />
128
               </element>
129
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:mode.value[x]:valueCodeableConcept">
130
                    <path value="Immunization.extension.extension.value[x]" />
131
                   <sliceName value="valueCodeableConcept" />
132
               </element>
133
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:mode.value[x]:valueCodeableConcept.text">
134
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
135
                        <valueBoolean value="true" />
136
137
                   <path value="Immunization.extension.extension.value[x].text" />
138
139
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:party">
140
                   <path value="Immunization.extension.extension" />
141
                   <sliceName value="party" />
142
               </element>
143
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:party.value[x]:valueReference">
144
                   <path value="Immunization.extension.extension.value[x]" />
145
                   <sliceName value="valueReference" />
146
                   <tvpe>
147
                        <code value="Reference" />
148
                        <targetProfile value="https://fhir.kbv.de/
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum|
       1.00.000" />
149
                   </type>
150
               </element>
```

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

```
199
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
200
                       <valueBoolean value="true" />
201
                   </extension>
202
                   <path value="Immunization.extension.extension.value[x].display"</pre>
       />
203
               </element>
204
               <element id="Immunization.identifier">
205
                   <path value="Immunization.identifier" />
206
                   <max value="0" />
207
               </element>
208
               <element id="Immunization.status">
209
                   <path value="Immunization.status" />
                   <fixedCode value="completed" />
210
211
               </element>
212
               <element id="Immunization.statusReason">
213
                   <path value="Immunization.statusReason" />
214
                   <max value="0" />
215
               </element>
216
               <element id="Immunization.vaccineCode">
217
                   <path value="Immunization.vaccineCode" />
218
                   <short value="Impfstoff" />
219
                   <definition value="Dieses Element beschreibt den verabreichten
       Impfstoff." />
220
                   <mustSupport value="true" />
221
               </element>
222
               <element id="Immunization.vaccineCode.extension">
223
                   <path value="Immunization.vaccineCode.extension" />
224
                   <slicing>
225
                       <discriminator>
226
                            <type value="value" />
227
                            <path value="url" />
228
                       </discriminator>
                       <rul>rules value="open" />
229
230
                   </slicing>
231
               </element>
232
               <element id="Immunization.vaccineCode.extension:data-absent-</pre>
       reason">
233
                   <path value="Immunization.vaccineCode.extension" />
234
                   <sliceName value="data-absent-reason" />
235
                   <type>
236
                       <code value="Extension" />
237
                       file value="http://hl7.org/fhir/StructureDefinition/"
       data-absent-reason" />
238
                   </type>
239
               </element>
240
               <element id="Immunization.vaccineCode.extension:data-absent-</pre>
       reason.value[x]:valueCode">
241
                   <path value="Immunization.vaccineCode.extension.value[x]" />
242
                   <sliceName value="valueCode" />
                   <fixedCode value="unknown" />
243
244
               </element>
245
               <element id="Immunization.vaccineCode.coding">
246
                   <path value="Immunization.vaccineCode.coding" />
247
                   <slicing>
248
                       <discriminator>
249
                            <type value="value" />
250
                            <path value="system" />
251
                       </discriminator>
252
                       <rules value="closed" />
```

```
253
                   </slicing>
254
               </element>
255
               <element id="Immunization.vaccineCode.coding:snomed CT">
256
                    <path value="Immunization.vaccineCode.coding" />
257
                   <sliceName value="snomed_CT" />
258
                   <short value="Snomed CT" />
259
                   <definition value="Dieses Element beschreibt den Impfstoff als</pre>
       SNOMED CT®
                   Product Code." />
                   <max value="1" />
260
261
                   <mustSupport value="true" />
262
                    <br/>dinding>
263
                       <strength value="required" />
264
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Vaccine_List" />
265
                   </binding>
266
                    <mapping>
267
                        <identity value="MIO-Impfpass" />
268
                        <map value="Impfung.Impfstoff.Snomed Ct Code" />
269
                    </mapping>
270
               </element>
271
               <element id="Immunization.vaccineCode.coding:snomed_CT.system">
272
                    <path value="Immunization.vaccineCode.coding.system" />
                   <min value="1" />
273
274
                    <fixedUri value="http://snomed.info/sct" />
275
               </element>
               <element id="Immunization.vaccineCode.coding:snomed_CT.version">
276
277
                   <path value="Immunization.vaccineCode.coding.version" />
                    <min value="1" />
278
279
280
               <element id="Immunization.vaccineCode.coding:snomed_CT.code">
281
                    <path value="Immunization.vaccineCode.coding.code" />
                    <min value="1" />
282
283
               </element>
284
               <element id="Immunization.vaccineCode.coding:snomed_CT.display">
285
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
286
                        <valueBoolean value="true" />
287
                   </extension>
288
                    <path value="Immunization.vaccineCode.coding.display" />
289
                    <min value="1" />
290
               </element>
291
               <element id="Immunization.vaccineCode.coding:snomed_CT.userSelected</pre>
292
                    <path value="Immunization.vaccineCode.coding.userSelected" />
293
                    <max value="0" />
294
295
               <element id="Immunization.vaccineCode.coding:atc">
296
                   <path value="Immunization.vaccineCode.coding" />
297
                   <sliceName value="atc" />
298
                   <short value="ATC" />
                   <definition value="Bezeichnung des Impfstoffs oder des</pre>
299
       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." />
300
                   <max value="1" />
301
                   <mustSupport value="true" />
302
                   <br/>
<br/>
ding>
303
                        <strength value="required" />
```

```
304
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_Vaccine_List_ATC" />
305
                   </binding>
306
                   <mapping>
307
                       <identity value="MIO-Impfpass" />
308
                       <map value="Impfung.Impfstoff.ATC" />
309
                   </mapping>
310
               </element>
311
               <element id="Immunization.vaccineCode.coding:atc.system">
312
                   <path value="Immunization.vaccineCode.coding.system" />
313
                   <min value="1" />
                   <fixedUri value="http://fhir.de/CodeSystem/dimdi/atc" />
314
315
               </element>
316
               <element id="Immunization.vaccineCode.coding:atc.version">
317
                   <path value="Immunization.vaccineCode.coding.version" />
                   <min value="1" />
318
319
               </element>
320
               <element id="Immunization.vaccineCode.coding:atc.code">
321
                   <path value="Immunization.vaccineCode.coding.code" />
322
                   <min value="1" />
323
               </element>
324
               <element id="Immunization.vaccineCode.coding:atc.display">
325
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
326
                       <valueBoolean value="true" />
327
                   </extension>
328
                   <path value="Immunization.vaccineCode.coding.display" />
329
                   <min value="1" />
330
               </element>
331
               <element id="Immunization.vaccineCode.coding:atc.userSelected">
332
                   <path value="Immunization.vaccineCode.coding.userSelected" />
                   <max value="0" />
333
334
               </element>
335
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
       n">
336
                   <path value="Immunization.vaccineCode.coding" />
337
                   <sliceName value="pharmazentralnummer_pzn" />
338
                   <definition value="8-stellige Pharmazentralnummer (PZN) des</pre>
       Fertigarzneimittels (Impfstoffs). Die PZN definiert ein Fertigarzneimittel
       eindeutig." />
339
                   <max value="1" />
340
                   <mustSupport value="true" />
341
                   <br/>
<br/>
ding>
342
                       <strength value="required" />
                        <valueSet value="http://fhir.de/ValueSet/ifa/pzn" />
343
344
                   </binding>
345
                   <mapping>
346
                       <identity value="MIO-Impfpass" />
347
                       <map value="Impfung.Impfstoff.Pharmazentralnummer" />
348
                   </mapping>
349
               </element>
350
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
       n.system">
351
                   <path value="Immunization.vaccineCode.coding.system" />
352
                   <min value="1" />
                   <fixedUri value="http://fhir.de/CodeSystem/ifa/pzn" />
353
354
355
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
       n.code">
356
                   <path value="Immunization.vaccineCode.coding.code" />
```

```
357
                    <min value="1" />
358
               </element>
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
359
       n.display">
360
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       n.userSelected">
                   <path value="Immunization.vaccineCode.coding.userSelected" />
367
                   <max value="0" />
368
369
               </element>
370
               <element id="Immunization.vaccineCode.text">
371
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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>
                        <identity value="MIO-Impfpass" />
379
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" />
                   <max value="0" />
401
402
               </element>
403
               <element id="Immunization.patient.display">
404
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
405
                       <valueBoolean value="true" />
406
407
                    <path value="Immunization.patient.display" />
                   <max value="0" />
408
409
               </element>
```

```
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>
                        <rul>rules value="closed" />
421
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</pre>
       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" />
                   <min value="1" />
449
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
                   <br/>
<br/>
dinding>
458
                        <strength value="required" />
459
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
460
                   </binding>
461
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">
                   <path value="Immunization.reportOrigin.coding.userSelected" />
476
                   <max value="0" />
477
478
               </element>
479
               <element id="Immunization.reportOrigin.text">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
480
       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
491
               <element id="Immunization.manufacturer">
492
                   <path value="Immunization.manufacturer" />
493
                   <short value="Hersteller" />
494
                   <definition value="Name des herstellenden bzw. des anbietenden</pre>
       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">
                   <path value="Immunization.manufacturer.reference" />
502
503
                   <max value="0" />
504
               </element>
505
               <element id="Immunization.manufacturer.type">
506
                   <path value="Immunization.manufacturer.type" />
507
                   <max value="0" />
508
               </element>
               <element id="Immunization.manufacturer.identifier">
509
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/</pre>
       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</pre>
       Impfstoffs." />
525
                   <mustSupport value="true" />
526
                   <mapping>
527
                       <identity value="MIO-Impfpass" />
528
                       <map value="Impfung.Impfstoff.Chargennummer" />
529
                   </mapping>
530
               </element>
               <element id="Immunization.expirationDate">
531
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">
                   <path value="Immunization.route" />
540
                   <max value="0" />
541
542
               </element>
543
               <element id="Immunization.doseQuantity">
544
                   <path value="Immunization.doseQuantity" />
545
                   <max value="0" />
546
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</pre>
       Impfung" />
560
                   </mapping>
561
               </element>
562
               <element id="Immunization.note.author[x]">
563
                   <path value="Immunization.note.author[x]" />
                   <max value="0" />
564
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">
                   <path value="Immunization.reasonCode" />
571
                   <max value="0" />
572
573
               </element>
574
               <element id="Immunization.reasonReference">
```

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

```
632
               <element id="Immunization.protocolApplied.extension:grundimmunisier</pre>
       ung_Abgeschlossen">
633
                   <path value="Immunization.protocolApplied.extension" />
634
                   <sliceName value="grundimmunisierung_Abgeschlossen" />
635
                   <max value="1" />
636
                   <type>
637
                       <code value="Extension" />
                        file value="https://fhir.kbv.de/StructureDefinition/
638
       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" />
                   <max value="0" />
648
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." />
                   <min value="1" />
654
655
                   <mustSupport value="true" />
656
                   <br/>
<br/>
dinding>
                        <strength value="required" />
657
658
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       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"</pre>
       />
                   <min value="1" />
667
                   <max value="1" />
668
669
                   <mustSupport value="true" />
670
               </element>
671
               <element id="Immunization.protocolApplied.targetDisease.coding.syst</pre>
       em">
672
                   <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       system" />
673
                   <min value="1" />
674
               </element>
675
               <element id="Immunization.protocolApplied.targetDisease.coding.vers</pre>
       ion">
676
                   <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       version" />
677
                   <min value="1" />
678
               </element>
```

```
679
               <element id="Immunization.protocolApplied.targetDisease.coding.code</pre>
       <mark>"</mark>>
680
                    <path value="Immunization.protocolApplied.targetDisease.coding.</p>
       code" />
681
                    <min value="1" />
682
               </element>
683
               <element id="Immunization.protocolApplied.targetDisease.coding.disp</pre>
       lay">
684
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
685
                        <valueBoolean value="true" />
686
                    </extension>
687
                    <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       display" />
688
                    <min value="1" />
689
               </element>
690
               <element id="Immunization.protocolApplied.targetDisease.text">
691
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
692
                        <valueBoolean value="true" />
693
                    </extension>
694
                    <path value="Immunization.protocolApplied.targetDisease.text" /</pre>
       >
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
                        <rul>rules value="open" />
706
                    </slicing>
707
               </element>
708
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       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</pre>
       tring.extension">
717
                    <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on" />
718
                    <slicing>
719
                        <discriminator>
720
                            <type value="value" />
721
                            <path value="url" />
722
                        </discriminator>
723
                        <rul><rules value="open" />
724
                    </slicing>
725
               </element>
```

```
726
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason">
727
                   <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on" />
728
                   <sliceName value="data-absent-reason" />
729
                   <min value="1" />
730
                   <type>
731
                        <code value="Extension" />
732
                        file value="http://hl7.org/fhir/StructureDefinition/"
       data-absent-reason" />
733
                   </type>
734
               </element>
735
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason.value[x]">
736
                    <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on.value[x]" />
737
                   <slicing>
738
                        <discriminator>
                            <type value="type" />
739
740
                            <path value="$this" />
741
                        </discriminator>
742
                        <rules value="open" />
743
                   </slicing>
                   <min value="1" />
744
745
               </element>
746
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason.value[x]:valueCode">
747
                   <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on.value[x]" />
748
                   <sliceName value="valueCode" />
749
                    <min value="1" />
750
                   <fixedCode value="unknown" />
751
               </element>
752
               <element id="Immunization.protocolApplied.seriesDoses[x]">
753
                   <path value="Immunization.protocolApplied.seriesDoses[x]" />
754
                   <max value="0" />
755
               </element>
           </differential>
756
757
       </StructureDefinition>
```

KBV_PR_MIO_Vaccination_Record_Prime

```
<StructureDefinition xmlns="http://hl7.org/fhir">
 1
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (KBV). All rights reserved." />
 9
          <fhirVersion value="4.0.1" />
10
          <kind value="resource" />
11
          <abstract value="false" />
12
          <type value="Immunization" />
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
13
      Immunization" />
14
          <derivation value="constraint" />
15
          <differential>
              <element id="Immunization">
16
17
                  <path value="Immunization" />
18
                  <short value="Record_Prime" />
19
                  <definition value="In diesem Profil werden die grundlegenden</pre>
      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://</pre>
      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/</pre>
      KBV_PR_MIO_Vaccination_Record_Prime" />
33
                  </constraint>
34
              </element>
35
              <element id="Immunization.id">
36
                  <path value="Immunization.id" />
                  <min value="1" />
37
38
              </element>
39
              <element id="Immunization.meta">
                  <path value="Immunization.meta" />
40
```

```
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">
                  <path value="Immunization.meta.source" />
52
                  <max value="0" />
53
54
              </element>
55
              <element id="Immunization.meta.profile">
56
                  <path value="Immunization.meta.profile" />
57
                  <min value="1" />
58
                  <max value="1" />
                  <fixedCanonical value="https://fhir.kbv.de/StructureDefinition/
59
      KBV_PR_MIO_Vaccination_Record_Prime|1.00.000" />
60
              </element>
61
              <element id="Immunization.meta.security">
                  <path value="Immunization.meta.security" />
62
63
                  <max value="0" />
64
              </element>
65
              <element id="Immunization.meta.tag">
66
                  <path value="Immunization.meta.tag" />
                  <max value="0" />
67
68
              </element>
69
              <element id="Immunization.implicitRules">
70
                  <path value="Immunization.implicitRules" />
                  <max value="0" />
71
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" />
                  <fixedCode value="extensions" />
83
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">
```

```
100
                   <path value="Immunization.extension" />
101
                   <sliceName value="typ_des_Eintrages" />
                   <min value="1" />
102
                   <max value="1" />
103
104
                   <type>
105
                        <code value="Extension" />
106
                        file value="https://fhir.kbv.de/StructureDefinition/"
       KBV_EX_MIO_Vaccination_Entry_Type|1.00.000" />
107
                   </type>
108
                   <mustSupport value="true" />
109
                   <mapping>
                        <identity value="MIO-Impfpass" />
110
111
                        <map value="Impfung.Typ des Impfeintrages" />
112
                   </mapping>
113
               </element>
               <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu</pre>
114
       eCodeableConcept">
115
                   <path value="Immunization.extension.value[x]" />
116
                   <sliceName value="valueCodeableConcept" />
117
118
               <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu</pre>
       eCodeableConcept.coding.display">
119
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
120
                        <valueBoolean value="true" />
121
                   </extension>
122
                   <path value="Immunization.extension.value[x].coding.display" />
123
               </element>
124
               <element id="Immunization.extension:typ_des_Eintrages.value[x]:valu</pre>
       eCodeableConcept.text">
125
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
126
                        <valueBoolean value="true" />
127
                   </extension>
128
                   <path value="Immunization.extension.value[x].text" />
129
               </element>
130
               <element id="Immunization.extension:verantwortliche_Person">
131
                   <path value="Immunization.extension" />
132
                   <sliceName value="verantwortliche_Person" />
133
                   <short value="Verantwortliche Person" />
134
                   <min value="1" />
135
                   <max value="1" />
136
                   <type>
137
                       <code value="Extension" />
                        file value="https://fhir.kbv.de/StructureDefinition/
138
       KBV_EX_MIO_Vaccination_Attester|1.00.000" />
139
                   </type>
140
                   <mustSupport value="true" />
141
                   <mapping>
142
                        <identity value="MIO-Impfpass" />
143
                        <map value="Impfung.Verantwortliche Person" />
144
                   </mapping>
145
               </element>
146
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       n:mode">
147
                   <path value="Immunization.extension.extension" />
148
                   <sliceName value="mode" />
149
               </element>
150
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       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"</pre>
       n:mode.value[x]:valueCodeableConcept.text">
155
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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"</pre>
       n:party">
161
                    <path value="Immunization.extension.extension" />
162
                   <sliceName value="party" />
163
               </element>
164
               <element id="Immunization.extension:verantwortliche_Person.extensio"</pre>
       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"</pre>
       n:party.value[x]:valueReference.display">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
173
       elementdefinition-translatable">
174
                        <valueBoolean value="true" />
175
                   </extension>
176
                   <path value="Immunization.extension.extension.value[x].display"</pre>
       />
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
                        file 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</pre>
       de">
193
                    <path value="Immunization.extension.extension" />
194
                    <sliceName value="mode" />
195
               </element>
196
               <element id="Immunization.extension:eintragende_Person.extension:mo</pre>
       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</pre>
       de.value[x]:valueCodeableConcept.text">
201
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       rty">
207
                    <path value="Immunization.extension.extension" />
208
                    <sliceName value="party" />
209
               </element>
210
               <element id="Immunization.extension:eintragende_Person.extension:pa</pre>
       rty.value[x]:valueReference">
211
                    <path value="Immunization.extension.extension.value[x]" />
212
                    <sliceName value="valueReference" />
213
                   <tvpe>
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</pre>
       rty.value[x]:valueReference.display">
219
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
220
                        <valueBoolean value="true" />
221
                    </extension>
222
                    <path value="Immunization.extension.extension.value[x].display"</pre>
       />
223
               </element>
               <element id="Immunization.identifier">
224
225
                    <path value="Immunization.identifier" />
226
                    <max value="0" />
227
               </element>
228
               <element id="Immunization.status">
229
                    <path value="Immunization.status" />
                    <fixedCode value="completed" />
230
               </element>
231
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</pre>
       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>
                        <rul>rules value="closed" />
249
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</pre>
       SNOMED CT®
                   Product Code." />
                   <min value="1" />
258
259
                   <max value="1" />
260
                   <mustSupport value="true" />
261
                   <br/>
<br/>
ding>
262
                        <strength value="required" />
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
263
       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" />
                   <fixedUri value="http://snomed.info/sct" />
273
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/</pre>
       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</pre>
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." />
                   <max value="1" />
299
300
                   <mustSupport value="true" />
301
                   <br/>
<br/>
dinding>
```

```
302
                       <strength value="required" />
303
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       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" />
                   <min value="1" />
312
313
                   <fixedUri value="http://fhir.de/CodeSystem/dimdi/atc" />
314
315
               <element id="Immunization.vaccineCode.coding:atc.code">
                   <path value="Immunization.vaccineCode.coding.code" />
316
317
                   <min value="1" />
318
               </element>
319
               <element id="Immunization.vaccineCode.coding:atc.display">
320
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       n">
331
                   <path value="Immunization.vaccineCode.coding" />
332
                   <sliceName value="pharmazentralnummer_pzn" />
333
                   <definition value="8-stellige Pharmazentralnummer (PZN) des</pre>
       Fertigarzneimittels (Impfstoffs). Die PZN definiert ein Fertigarzneimittel
       eindeutig." />
                   <max value="1" />
334
                   <mustSupport value="true" />
335
336
                   <br/>
<br/>
dinding>
337
                        <strength value="required" />
338
                        <valueSet value="http://fhir.de/ValueSet/ifa/pzn" />
339
                   </binding>
340
                   <mapping>
                        <identity value="MIO-Impfpass" />
341
342
                        <map value="Impfung.Impfstoff.Pharmazentralnummer" />
                   </mapping>
343
344
               </element>
345
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
      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</pre>
      n.code">
351
                   <path value="Immunization.vaccineCode.coding.code" />
352
                   <min value="1" />
353
               </element>
```

```
354
               <element id="Immunization.vaccineCode.coding:pharmazentralnummer_pz</pre>
       n.display">
355
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       n.userSelected">
362
                   <path value="Immunization.vaccineCode.coding.userSelected" />
363
                   <max value="0" />
364
               </element>
365
               <element id="Immunization.vaccineCode.text">
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
366
       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." />
                   <min value="1" />
372
373
                   <mustSupport value="true" />
374
                   <mapping>
                        <identity value="MIO-Impfpass" />
375
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">
                   <path value="Immunization.patient.type" />
392
393
                   <max value="0" />
               </element>
394
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/</pre>
       elementdefinition-translatable">
401
                       <valueBoolean value="true" />
402
                   <path value="Immunization.patient.display" />
403
404
                   <max value="0" />
405
               </element>
406
               <element id="Immunization.encounter">
```

```
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>
                           <type value="type" />
414
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"</pre>
       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">
                   <path value="Immunization.recorded" />
441
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" />
                   <max value="0" />
451
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" />
```

```
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/</pre>
       elementdefinition-translatable">
481
                       <valueBoolean value="true" />
482
                   </extension>
483
                   <path value="Immunization.manufacturer.display" />
                   <min value="1" />
484
                   <mustSupport value="true" />
485
486
               </element>
487
               <element id="Immunization.lotNumber">
488
                   <path value="Immunization.lotNumber" />
489
                   <short value="Chargenbezeichnung" />
490
                   <definition value="Chargenbezeichnung des verabreichten</pre>
       Impfstoffs." />
491
                   <min value="1" />
492
                   <mustSupport value="true" />
493
                   <mapping>
                       <identity value="MIO-Impfpass" />
494
495
                       <map value="Impfung.Impfstoff.Chargennummer" />
496
                   </mapping>
497
498
               <element id="Immunization.expirationDate">
499
                   <path value="Immunization.expirationDate" />
500
                   <max value="0" />
501
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">
                   <path value="Immunization.doseQuantity" />
511
                   <max value="0" />
512
513
               </element>
514
               <element id="Immunization.performer">
515
                   <path value="Immunization.performer" />
```

```
516
                   <max value="0" />
517
               </element>
               <element id="Immunization.note">
518
519
                   <path value="Immunization.note" />
520
                   <slicing>
521
                       <discriminator>
522
                           <type value="value" />
523
                           <path value="text" />
524
                       </discriminator>
525
                       <ordered value="true" />
526
                       <rul>rules value="openAtEnd" />
527
                   </slicing>
528
                   <short value="Notes" />
529
                   <definition value="In diesem Element wird der Hinweis und die
       Anmerkungen zur durchgeführten Impfung eingetragen werden." />
530
                   <min value="1" />
                   <max value="2" />
531
532
                   <mustSupport value="true" />
533
                   <mapping>
534
                       <identity value="MIO-Impfpass" />
535
                       <map value="Impfung.Anmerkungen zur durchgeführten"</pre>
       Impfung" />
536
                   </mapping>
537
               </element>
538
               <element id="Immunization.note.author[x]">
539
                   <path value="Immunization.note.author[x]" />
540
                   <max value="0" />
541
               </element>
542
               <element id="Immunization.note.time">
543
                   <path value="Immunization.note.time" />
544
                   <max value="0" />
545
               </element>
546
               <element id="Immunization.note:hinweis">
547
                   <path value="Immunization.note" />
548
                   <sliceName value="hinweis" />
549
                   <min value="1" />
                   <max value="1" />
550
551
               </element>
552
               <element id="Immunization.note:hinweis.author[x]">
553
                   <path value="Immunization.note.author[x]" />
                   <max value="0" />
554
555
               </element>
556
               <element id="Immunization.note:hinweis.time">
557
                   <path value="Immunization.note.time" />
                   <max value="0" />
558
559
560
               <element id="Immunization.note:hinweis.text">
561
                   <path value="Immunization.note.text" />
562
                   <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 Infektionsschutzgesetzes • 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" />
                   <max value="0" />
570
571
               </element>
572
               <element id="Immunization.isSubpotent">
573
                   <path value="Immunization.isSubpotent" />
                   <max value="0" />
574
575
               </element>
576
               <element id="Immunization.subpotentReason">
577
                   <path value="Immunization.subpotentReason" />
                   <max value="0" />
578
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" />
                   <max value="0" />
586
587
               </element>
588
               <element id="Immunization.fundingSource">
589
                   <path value="Immunization.fundingSource" />
                   <max value="0" />
590
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" />
                   <max value="1" />
599
600
                   <mustSupport value="true" />
601
               </element>
602
               <element id="Immunization.protocolApplied.extension">
603
                   <path value="Immunization.protocolApplied.extension" />
604
605
                       <discriminator>
                            <type value="value" />
606
607
                            <path value="url" />
608
                       </discriminator>
                       <rul>rules value="open" />
609
610
                   </slicing>
611
               </element>
612
               <element id="Immunization.protocolApplied.extension:datum_der_Folge</pre>
       impfung">
613
                   <path value="Immunization.protocolApplied.extension" />
614
                   <sliceName value="datum_der_Folgeimpfung" />
615
                   <type>
616
                       <code value="Extension" />
                       file value="https://fhir.kbv.de/StructureDefinition/
617
       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>
               </element>
624
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" />
               </element>
632
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
                    <br/>
<br/>
ding>
640
                        <strength value="required" />
641
                        <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
       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"</pre>
       />
650
                    <min value="1" />
                    <max value="1" />
651
652
                    <mustSupport value="true" />
653
               </element>
654
               <element id="Immunization.protocolApplied.targetDisease.coding.syst</pre>
       em">
655
                    <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       system" />
656
                    <min value="1" />
657
               </element>
658
               <element id="Immunization.protocolApplied.targetDisease.coding.vers</pre>
       ion">
659
                    <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       version" />
660
                    <min value="1" />
661
               </element>
662
               <element id="Immunization.protocolApplied.targetDisease.coding.code</pre>
       <mark>"</mark>>
663
                    <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       code" />
                    <min value="1" />
664
665
666
               <element id="Immunization.protocolApplied.targetDisease.coding.disp</pre>
       lay">
```

```
667
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
668
                        <valueBoolean value="true" />
669
                    </extension>
670
                    <path value="Immunization.protocolApplied.targetDisease.coding.</pre>
       display" />
671
                    <min value="1" />
672
               </element>
673
               <element id="Immunization.protocolApplied.targetDisease.text">
674
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
675
                        <valueBoolean value="true" />
676
                   </extension>
                    <path value="Immunization.protocolApplied.targetDisease.text" /</pre>
677
                    <definition value="In diesem Attribut sollen die entsprechende</pre>
678
       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" />
679
                    <min value="1" />
680
               </element>
681
               <element id="Immunization.protocolApplied.doseNumber[x]">
                    <path value="Immunization.protocolApplied.doseNumber[x]" />
682
683
                    <slicing>
684
                        <discriminator>
                            <type value="type" />
685
686
                            <path value="$this" />
687
                        </discriminator>
688
                        <rul><rules value="open" />
689
                    </slicing>
690
               </element>
691
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring">
692
                    <path value="Immunization.protocolApplied.doseNumber[x]" />
693
                    <sliceName value="doseNumberString" />
694
                    <min value="1" />
695
                    <tvpe>
696
                        <code value="string" />
697
                   </type>
698
               </element>
699
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension">
700
                    <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on" />
701
                    <slicing>
702
                        <discriminator>
                            <type value="value" />
703
704
                            <path value="url" />
705
                        </discriminator>
706
                        <rules value="open" />
707
                    </slicing>
708
               </element>
709
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason">
710
                   <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on" />
711
                    <sliceName value="data-absent-reason" />
712
                    <min value="1" />
713
                    <tvpe>
714
                        <code value="Extension" />
```

```
715
                        file value="http://hl7.org/fhir/StructureDefinition/
       data-absent-reason" />
716
                   </type>
717
               </element>
718
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason.value[x]">
719
                   <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on.value[x]" />
720
                   <slicing>
721
                       <discriminator>
722
                           <type value="type" />
723
                            <path value="$this" />
724
                       </discriminator>
725
                       <rules value="open" />
726
                   </slicing>
727
                   <min value="1" />
728
               </element>
729
               <element id="Immunization.protocolApplied.doseNumber[x]:doseNumberS</pre>
       tring.extension:data-absent-reason.value[x]:valueCode">
730
                   <path value="Immunization.protocolApplied.doseNumber[x].extensi</pre>
       on.value[x]" />
731
                   <sliceName value="valueCode" />
732
                   <min value="1" />
                   <fixedCode value="unknown" />
733
734
               </element>
735
               <element id="Immunization.protocolApplied.seriesDoses[x]">
                   <path value="Immunization.protocolApplied.seriesDoses[x]" />
736
737
                   <max value="0" />
738
               </element>
739
           </differential>
740
       </StructureDefinition>
```

KBV_CM_MIO_Vaccination_Age_Group_German

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      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</pre>
      Lebensphase mit deutschen Bezeichnungen" />
 9
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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>
              <source value="http://snomed.info/sct" />
11
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)" />
                      <equivalence value="equivalent" />
19
20
                  </target>
21
              </element>
22
              <element>
23
                  <code value="41847000" />
24
                  <display value="Adulthood (qualifier value)" />
25
26
                      <code value="Erwachsener18" />
27
                      <display value="Erwachsener (Ab Beginn des 19.
      Lebensjahres)" />
                      <equivalence value="equivalent" />
28
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>
              </element>
39
40
              <element>
41
                  <code value="255398004" />
42
                  <display value="Childhood (qualifier value)" />
```

```
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>
              <element>
58
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>
              </element>
66
67
          </group>
68
     </ConceptMap>
```

KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German" />
 3
          <version value="1.00.000" />
          <name value="KBV_CM_MIO_Vaccination_ImmunizationOriginCodes_German" />
 4
 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</pre>
      der Information, die für den Nachtrag einer Impfung verwendet werden, mit
      deutschen Bezeichnungen" />
 9
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved." />
          <group>
10
              <source value="http://terminology.hl7.org/CodeSystem/immunization-</pre>
11
     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</pre>
      Erinnerung" />
19
                      <equivalence value="equivalent" />
20
                  </target>
21
              </element>
22
              <element>
23
                  <code value="record" />
24
                  <display value="Written Record" />
25
                  <target>
                       <code value="Schriftliche-Dokumentation" />
26
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>
                       <code value="Anderer-Arzt-oder-sonstiger-im-
35
      Gesundheitsberuf" />
36
                       <display value="Anderer Arzt oder sonstiger im</pre>
      Gesundheitsberuf" />
37
                      <equivalence value="equivalent" />
38
                  </target>
39
              </element>
40
          </group>
41
      </ConceptMap>
```

KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
          <version value="1.00.000" />
 3
 4
          <name value="KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Ge</pre>
      rman" />
          <status value="active" />
 5
          <experimental value="false" />
 6
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <description value="Diese Conceptmap verknüpft die Codes für die</pre>
     Titerbezeichnungen mit deutschen Bezeichnern" />
 9
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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</pre>
      Serum" />
16
                  <target>
17
                      <code value="Varizellen-Antikoerpernachweis" />
18
                      <display value="Varizellen Antikörpernachweis" />
                      <equivalence value="equivalent" />
19
20
                  </target>
21
              </element>
22
              <element>
23
                  <code value="26643-7" />
24
                  <display value="Clostridium tetani toxoid Ab [Presence] in</pre>
      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
35
                      <code value="Polio-Antikoerpernachweis" />
36
                      <display value="Polio Antikörpernachweis" />
37
                      <equivalence value="equivalent" />
38
                  </target>
              </element>
39
40
              <element>
41
                  <code value="31998-8" />
42
                  <display value="Bordetella pertussis Ab [Presence] in Serum" />
```

```
43
                  <target>
44
                       <code value="Pertussis-Antikoerpernachweis" />
45
                       <display value="Pertussis Antikörpernachweis" />
46
                       <equivalence value="equivalent" />
47
                  </target>
48
              </element>
49
              <element>
                  <code value="31503-6" />
50
51
                  <display value="Mumps virus Ab [Presence] in Serum" />
52
                  <target>
53
                       <code value="Mumps-Antikoerpernachweis" />
                      <display value="Mumps Antikörpernachweis" />
54
55
                      <equivalence value="equivalent" />
56
                  </target>
57
              </element>
58
              <element>
59
                  <code value="17322-9" />
60
                  <display value="Neisseria meningitidis Ab [Presence] in</pre>
      Serum" />
61
                  <target>
62
                      <code value="Meningokokken-Antikoerpernachweis" />
63
                       <display value="Meningokokken Antikörpernachweis" />
                       <equivalence value="equivalent" />
64
65
                  </target>
66
              </element>
67
              <element>
68
                  <code value="46197-0" />
                  <display value="Measles virus Ab [Presence] in Serum" />
69
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</pre>
      Serum" />
79
                  <target>
80
                      <code value="Haemophilus-influenzae-B-
      Antikoerpernachweis" />
81
                      <display value="Haemophilus influenzae B
      Antikörpernachweis" />
                       <equivalence value="equivalent" />
82
83
                  </target>
84
              </element>
85
              <element>
86
                  <code value="5195-3" />
87
                  <display value="Hepatitis B virus surface Ag [Presence] in</pre>
      Serum" />
88
                  <target>
89
                       <code value="Hepatitis-B-Antikoerpernachweis" />
90
                      <display value="Hepatitis B Antikörpernachweis" />
91
                       <equivalence value="equivalent" />
92
                  </target>
              </element>
93
94
95
                  <code value="20575-7" />
96
                  <display value="Hepatitis A virus Ab [Presence] in Serum" />
97
                  <target>
```

```
98
                       <code value="Hepatitis-A-Antikoerpernachweis" />
 99
                       <display value="Hepatitis A Antikörpernachweis" />
100
                       <equivalence value="equivalent" />
101
                   </target>
102
               </element>
103
               <element>
104
                   <code value="26630-4" />
105
                   <display value="Corynebacterium diphtheriae toxin Ab [Presence]</pre>
       in Serum" />
106
                   <target>
107
                       <code value="Diphtherie-Antikoerpernachweis" />
108
                       <display value="Diphtherie Antikörpernachweis" />
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="Röteln-Antikoerpernachweis" />
117
                       <display value="Röteln Antikörpernachweis" />
118
                       <equivalence value="equivalent" />
119
                   </target>
120
               </element>
121
           </group>
122
           <group>
123
               <source value="http://snomed.info/sct" />
124
               <target value="https://fhir.kbv.de/CodeSystem/
       KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German" />
125
               <element>
126
                   <code value="268376005" />
127
                   <display value="Mantoux: positive (finding)" />
128
                   <target>
129
                       <code value="Tuberkulose-Mendel-Mantoux-Test-positiv" />
130
                       <display value="Tuberkulose - Mendel-Mantoux-Test
       positiv" />
131
                       <equivalence value="equivalent" />
                   </target>
132
133
               </element>
134
               <element>
135
                   <code value="268375009" />
136
                   <display value="Mantoux: negative (finding)" />
137
                   <target>
138
                       <code value="Tuberkulose-Mendel-Mantoux-Test-negativ" />
139
                       <display value="Tuberkulose - Mendel-Mantoux-Test</pre>
       negativ" />
140
                       <equivalence value="equivalent" />
141
                   </target>
142
               </element>
143
               <element>
                   <code value="440662009" />
144
145
                   <display value="Interferon gamma assay positive (finding)" />
146
147
                       <code value="Tuberkulose-Interferon-gamma-assay-positiv" />
148
                       <display value="Tuberkulose - Interferon gamma assay
       positiv" />
149
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150
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151
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152
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153
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156
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157
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158
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       003" />
163
                   <display value="Observable entity (observable entity) :</pre>
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       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
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165
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                       <display value="Varizellen Antikörpernachweis" />
167
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       003" />
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       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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                       <display value="Tetanus Antikörpernachweis" />
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                       <equivalence value="equivalent" />
177
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179
               <element>
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       003" />
181
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       (attribute) = Human poliovirus 1 antibody (substance) , Scale type
       (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
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       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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       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)" />
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195
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196
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       003" />
199
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       (attribute) = Single point in time (qualifier value) , Scale type
       (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
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       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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202
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203
                       <equivalence value="equivalent" />
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       003" />
208
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       (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)" />
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210
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211
                       <display value="Meningokokken Antikörpernachweis" />
212
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213
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       003" />
217
                   <display value="Observable entity (observable entity) : Time</pre>
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       (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
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219
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220
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221
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222
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223
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224
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      003" />
226
                  <display value="Observable entity (observable entity):</pre>
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      (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)" />
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229
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      Antikörpernachweis" />
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233
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234
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      03" />
235
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      (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
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      virus (substance) ,Property type (attribute) = Presence (property)
      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
236
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237
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238
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239
                      <equivalence value="equivalent" />
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      03" />
244
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      (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)" />
245
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246
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247
                      <display value="Hepatitis A Antikörpernachweis" />
248
                      <equivalence value="equivalent" />
249
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250
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251
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252
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      003" />
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253
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      (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)" />
254
                   <target>
255
                       <code value="Diphtherie-Antikoerpernachweis" />
256
                       <display value="Diphtherie Antikörpernachweis" />
257
                       <equivalence value="equivalent" />
258
                   </target>
259
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261
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      003" />
262
                   <display value="Observable entity (observable entity):</pre>
      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) =
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      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
263
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264
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265
                       <display value="Röteln Antikörpernachweis" />
                       <equivalence value="equivalent" />
266
267
                   </target>
268
               </element>
269
           </group>
270
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KBV_CM_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_LOINC_Snomed

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 6
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 7
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 8
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     Titerbezeichnungen mit denen von Snomed" />
 9
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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
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11
              <source value="http://loinc.org" />
12
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13
14
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16
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18
                      <display value="Observable entity (observable entity) :</pre>
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      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
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20
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21
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22
              <element>
23
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24
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      Serum" />
25
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27
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      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" />
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29
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30
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31
              <element>
32
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33
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36
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      = Plasma (substance) , Property type (attribute) = Presence (property)
      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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38
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40
              <element>
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45
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      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)" />
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47
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48
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49
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54
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      (attribute) = Single point in time (qualifier value) , Scale type
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      (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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56
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57
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63
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     (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
64
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65
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66
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67
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71
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72
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     (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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74
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75
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76
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77
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     9364003" />
81
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     value) , Scale type (attribute) = Ordinal value (qualifier value) , Inheres
     in (attribute) = Plasma (substance) , Property type (attribute) = Presence
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82
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84
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85
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87
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89
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     364003" />
90
                      <display value="Observable entity (observable entity) :</pre>
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     = 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>
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94
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 95
                   <code value="20575-7" />
 96
                   <display value="Hepatitis A virus Ab [Presence] in Serum" />
 97
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 98
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       364003" />
 99
                       <display value="Observable entity (observable entity) :</pre>
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       type (attribute) = Ordinal value (qualifier value) , Inheres in (attribute)
       = Plasma (substance) , Property type (attribute) = Presence (property)
       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
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101
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102
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103
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104
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106
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107
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       9364003" />
108
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       = Plasma (substance) , Component (attribute) = Corynebacterium diphtheriae
       toxoid antibody (substance) , Property type (attribute) = Presence
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       (specimen)" />
109
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110
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111
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112
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113
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114
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115
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       9364003" />
117
                       <display value="Observable entity (observable entity):</pre>
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       (attribute) = Single point in time (qualifier value) , Scale type
       (attribute) = Ordinal value (qualifier value) , Inheres in (attribute) =
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       (qualifier value) , Direct site (attribute) = Serum specimen (specimen)" />
118
                       <equivalence value="equivalent" />
119
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120
               </element>
121
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122
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KBV_CM_MIO_Vaccination_Lab_Titer_Immunity_German

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1
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 6
          <experimental value="false" />
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <description value="Diese Conceptmap verknüpft die Codes für die</pre>
      Erreichung der Immunität einer Titeruntersuchung mit deutschen Bezeichnern"
 9
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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="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 =</pre>
      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 =</pre>
      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>
```

KBV_CM_MIO_Vaccination_Practitioner_Function

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      KBV_CM_MIO_Vaccination_Practitioner_Function" />
 3
          <version value="1.00.000" />
          <name value="KBV_CM_MIO_Vaccination_Practitioner_Function" />
 4
 5
          <status value="active" />
 6
          <experimental value="false" />
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <description value="Diese Conceptmap verknüpft die Codes für die</pre>
      Funktionsbezeichnung eines Behandelnden mit deutschen Bezeichnern" />
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      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_Practitioner_Function" />
13
              <element>
14
                  <code value="112247003" />
15
                  <display value="Medical doctor (occupation)" />
16
                  <target>
17
                      <code value="arzt-aerztin" />
18
                      <display value="Arzt/ Ärztin" />
19
                      <equivalence value="equivalent" />
20
                  </target>
21
              </element>
22
          </group>
23
      </ConceptMap>
```

KBV_CM_MIO_Vaccination_Prior_Disease_German

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      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</pre>
      durchgemachten Infektionskrankheiten mit deutschen Bezeichnern" />
 9
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      appropriate SNOMED CT Affiliate license." />
10
          <group>
              <source value="http://snomed.info/sct" />
11
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
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" />
                       <equivalence value="equivalent" />
 82
 83
                   </target>
               </element>
 84
 85
               <element>
                   <code value="36653000" />
 86
 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>
                   <code value="36989005" />
 95
 96
                   <display value="Mumps (disorder)" />
 97
                   <target>
 98
                       <code value="Mumps" />
 99
                       <display value="Mumps" />
100
                       <equivalence value="equivalent" />
                   </target>
101
102
               </element>
103
               <element>
```

```
104
                   <code value="14189004" />
                   <display value="Measles (disorder)" />
105
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>
                       <code value="Varizellen-Windpocken" />
116
117
                       <display value="Varizellen/Windpocken" />
118
                       <equivalence value="equivalent" />
119
                   </target>
120
               </element>
121
           </group>
122
       </ConceptMap>
```

KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD" />
 3
          <version value="1.00.000" />
          <name value="KBV_CM_MIO_Vaccination_Prior_Disease_Snomed_ICD" />
 4
 5
          <status value="active" />
 6
          <experimental value="false" />
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <description value="Diese Conceptmap verknüpft die Codes für</pre>
      impfrelevante durchgemachte Krankheiten in den Codesystemen Snomed CT und
      ICD" />
 9
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      appropriate SNOMED CT Affiliate license." />
10
          <group>
11
              <source value="http://snomed.info/sct" />
12
              <target value="http://fhir.de/CodeSystem/dimdi/icd-10-gm" />
13
              <element>
14
                  <code value="27836007" />
15
                  <display value="Pertussis (disorder)" />
16
                  <target>
                      <code value="A37.-" />
17
18
                      <display value="Keuchhusten" />
19
                      <equivalence value="equivalent" />
20
                  </target>
21
              </element>
22
              <element>
23
                  <code value="16541001" />
24
                  <display value="Yellow fever (disorder)" />
25
                  <target>
26
                      <code value="A95.-" />
27
                      <display value="Gelbfieber" />
28
                      <equivalence value="equivalent" />
29
                  </target>
30
              </element>
31
              <element>
32
                  <code value="16901001" />
33
                  <display value="Central European encephalitis (disorder)" />
34
                  <target>
                      <code value="A84.1" />
35
36
                      <display value="Mitteleuropäische Enzephalitis, durch</pre>
      Zecken übertragen" />
37
                      <equivalence value="equivalent" />
38
                  </target>
39
              </element>
40
              <element>
41
                  <code value="76795007" />
42
                  <display value="Acute type B viral hepatitis (disorder)" />
43
                  <target>
44
                      <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</pre>
       (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>
                   <code value="25102003" />
 68
69
                   <display value="Acute type A viral hepatitis (disorder)" />
 70
                   <target>
                       <code value="B15.-" />
 71
 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>
                   <code value="14189004" />
95
                   <display value="Measles (disorder)" />
96
97
                   <target>
98
                       <code value="B05.-" />
99
                       <display value="Masern" />
100
                       <equivalence value="equivalent" />
```

```
101
                   </target>
102
              </element>
103
              <element>
104
                   <code value="38907003" />
105
                   <display value="Varicella (disorder)" />
106
                  <target>
                       <code value="B01.-" />
107
108
                       <display value="Varizellen [Windpocken]" />
109
                       <equivalence value="equivalent" />
110
                   </target>
111
              </element>
112
          </group>
113
       </ConceptMap>
```

KBV_CM_MIO_Vaccination_Source_of_Information_German

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      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</pre>
      der Information mit deutschen Bezeichnern" />
 9
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10
          <group>
              <source value="http://snomed.info/sct" />
11
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>
                      <code value="Unbekannt" />
17
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>
                      <code value="Sonstige-Person" />
26
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" />
                  <display value="Medical practitioner (occupation)" />
42
43
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" />
                      <display value="Patient" />
54
                      <equivalence value="equivalent" />
55
56
                  </target>
57
             </element>
58
          </group>
59
     </ConceptMap>
```

KBV_CM_MIO_Vaccination_Vaccine_ATC_Snomed

```
1
      <ConceptMap xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ConceptMap/</pre>
      KBV_CM_MIO_Vaccination_Vaccine_ATC_Snomed" />
          <version value="1.00.000" />
 3
 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</pre>
     mit den entsprechenden ATC Codes" />
 9
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10
          <group>
              <source value="http://snomed.info/sct" />
11
12
              <target value="http://fhir.de/CodeSystem/dimdi/atc" />
13
              <element>
                  <code value="90043005" />
14
15
                  <display value="Mumps live virus vaccine" />
16
                  <target>
17
                      <code value="J07BE" />
                      <display value="Mumps-Impfstoffe" />
18
19
                      <equivalence value="equivalent" />
20
                  </target>
21
              </element>
22
              <element>
23
                  <code value="116077000" />
24
                  <display value="Rotavirus vaccine (product)" />
25
                  <target>
                      <code value="J07BH" />
26
27
                      <display value="Rotavirus-Diarrhoe-Impfstoffe" />
28
                      <equivalence value="equivalent" />
29
                  </target>
30
              </element>
31
              <element>
                  <code value="407737004" />
32
                  <display value="Varicella-zoster vaccine (product)" />
33
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>
                  <code value="333606008" />
46
```

```
47
                  <display value="Rabies vaccine (product)" />
48
                  <target>
49
                      <code value="J07BG" />
50
                      <display value="Tollwut-Impfstoffe" />
51
                      <equivalence value="equivalent" />
52
                  </target>
53
              </element>
54
              <element>
55
                  <code value="111164008" />
56
                  <display value="Poliovirus vaccine (product)" />
57
                  <target>
                      <code value="J07BF" />
58
59
                      <display value="Poliomyelitis-Impfstoffe" />
60
                      <equivalence value="equivalent" />
61
                  </target>
62
              </element>
63
              <element>
64
                  <code value="333699008" />
65
                  <display value="Tick-borne encephalitis vaccine (product)" />
66
                      <code value="J07BA01" />
67
68
                      <display value="FSME, inaktiviert, ganzes Virus" />
                      <equivalence value="equivalent" />
69
70
                  </target>
71
              </element>
72
              <element>
73
                  <code value="333697005" />
74
                  <display value="Japanese B encephalitis vaccine" />
75
76
                      <code value="J07BA02" />
77
                      <display value="Encephalitis, japanische, inaktiviert,</pre>
      ganzes Virus" />
78
                      <equivalence value="equivalent" />
79
                  </target>
80
              </element>
81
              <element>
82
                  <code value="787859002:127489000=428126001,412374001,396433007,
      412375000,396424005,768365004,768366003" />
                  <display value="Vaccine product (product): Has active</pre>
83
      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)" />
84
                  <target>
85
                      <code value="J07CA13" />
86
                      <display value="Diphtherie-Haemophilus influenzae B-
      Pertussis-Tetanus-Hepatitis B-Meningokokken A + C" />
87
                      <equivalence value="equivalent" />
88
                  </target>
89
              </element>
90
              <element>
91
                  <code value="427542001" />
92
                  <display value="Diphtheria + tetanus + pertussis +</pre>
      poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
93
                  <target>
94
                      <code value="J07CA12" />
95
                      <display value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-</pre>
      Hepatitis B" />
96
                      <equivalence value="equivalent" />
```

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

```
139
                        <code value="J07CA07" />
                        <display value="Diphtherie-Hepatitis B-Tetanus" />
140
141
                        <equivalence value="equivalent" />
142
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143
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144
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145
                   <code value="414004005" />
146
                   <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
147
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148
                        <code value="J07CA06" />
149
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150
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151
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152
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153
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154
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155
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       hepatitis B virus vaccine (product)" />
156
                   <target>
157
                        <code value="J07CA05" />
158
                        <display value="Diphtherie-Hepatitis B-Pertussis-Tetanus" /</pre>
159
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160
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161
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162
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163
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164
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       ingredient (attribute)=Haemophilus influenzae type b vaccine
       (substance), Live Poliovirus vaccine (substance)" />
165
                   <target>
166
                        <code value="J07CA04" />
167
                        <display value="Haemophilus influenzae B und</pre>
       Poliomyelitis" />
168
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170
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171
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172
                   <code value="787859002:{127489000=428126001}
       {127489000=396438003}{127489000=412375000}" />
173
                   <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) } { Has active
       ingredient (attribute) = Tetanus vaccine (substance) }" />
174
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175
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176
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                        <equivalence value="equivalent" />
177
178
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179
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181
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182
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       poliomyelitis vaccine (product)" />
183
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184
                        <code value="J07CA02" />
185
                        <display value="Diphtherie-Pertussis-Poliomyelitis-</pre>
       Tetanus" />
```

```
186
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187
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188
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189
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190
                   <code value="414006007" />
191
                   <display value="Diphtheria + tetanus + poliomyelitis vaccine</pre>
       (product)" />
192
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193
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194
                       <display value="Diphtherie-Poliomyelitis-Tetanus" />
195
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196
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197
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198
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199
                   <code value="419550004" />
200
                   <display value="Measles + mumps + rubella + varicella vaccine</pre>
       (product)" />
201
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202
                       <code value="J07BD54" />
203
                       <display value="Masern, Kombinationen mit Mumps, Röteln und
       Varicella, lebend abgeschwächt" />
204
                       <equivalence value="equivalent" />
205
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206
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207
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208
                   <code value="787859002:{127489000=396427003}
       {127489000=396438003}" />
                   <display value="Vaccine product (product): { Has active</pre>
209
       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
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215
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217
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218
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       >
219
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220
221
                       <display value="Masern, Kombinationen mit Mumps und Röteln,
       lebend abgeschwächt" />
222
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223
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224
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226
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227
                   <display value="Measles and mumps vaccine (product)" />
228
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229
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230
                       <display value="Masern, Kombinationen mit Mumps, lebend
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231
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232
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233
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235
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236
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237
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238
239
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240
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242
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244
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245
                   <display value="Diphtheria + tetanus vaccine (product)" />
246
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247
248
                       <display value="Tetanus-Toxoid, Kombinationen mit
       Diphtherie-Toxoid" />
249
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250
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       influenzae type b vaccine (substance)" />
255
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256
                       <code value="J07AL52" />
257
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       Antigen und Haemophilus influenzae B, konjugiert" />
258
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259
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260
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262
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263
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       group C vaccine (product)" />
264
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265
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266
                       <display value="Haemophilus influenzae B, Kombinationen mit
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267
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       (substance), Pertussis vaccine (substance), Toxoid (substance)" />
273
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274
275
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       (substance)" />
282
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283
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```

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284
                       <display value="Cholera, Kombinationen mit Typhus-
       Impfstoff, inaktiviert, ganze Zelle" />
285
                       <equivalence value="equivalent" />
286
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289
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290
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291
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292
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293
                       <display value="Pocken-Impfstoff, lebend, modifiziert" />
294
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295
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298
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299
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300
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301
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302
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303
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307
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308
                   <display value="Yellow fever vaccine (product)" />
309
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310
                       <display value="Gelbfieber-Impfstoffe" />
311
312
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316
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                   <display value="Rubella vaccine (product)" />
318
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319
320
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321
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324
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326
                   <display value="Measles vaccine (product)" />
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328
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329
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335
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343
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344
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346
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347
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356
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364
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365
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366
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382
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                       <display value="Pneumokokken-Impfstoffe" />
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399
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400
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401
                       <display value="Pest-Impfstoffe" />
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407
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410
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415
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       (product)" />
417
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418
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419
       Kombinationen mit Toxoiden" />
420
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424
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429
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433
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       (product)" />
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436
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469
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470
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473
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482
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483
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488
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       (medicinal product)|" />
489
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490
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491
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492
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497
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500
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506
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       antibody (medicinal product)" />
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508
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509
                        <display value="Varicella/Zoster-Immunglobulin" />
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517
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518
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527
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528
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533
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534
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536
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537
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561
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562
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563
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570
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571
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572
573
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577
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578
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       (product)" />
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580
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582
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KBV_CM_MIO_Vaccination_Vaccine_German

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 9
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      Terms® (SNOMED CT®) which is used by permission of SNOMED International.
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      SNOMED International. Implementers of these artefacts must have the
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14
                  <code value="787859002" />
15
                  <display value="Vaccine product (product)" />
16
                  <target>
                      <code value="Impfstoffe" />
17
18
                      <display value="Impfstoffe (unspezifiziert)" />
19
                      <equivalence value="equivalent" />
20
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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
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30
              </element>
31
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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>
```

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45
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46
                  <code value="787859002:127489000=412300006" />
                  <display value="Vaccine product (product): Has active</pre>
47
      ingredient (attribute) = Rubella and mumps vaccine (substance)" />
48
                  <target>
49
                      <code value="Roeteln-Mumps-Impfstoff" />
50
                      <display value="Röteln, Mumps-Impfstoff" />
                      <equivalence value="equivalent" />
51
52
                  </target>
53
              </element>
54
              <element>
55
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      {127489000=412374001}{127489000=396433007}{127489000=412375000}
      {127489000=396424005}{127489000=768365004}{127489000=768366003}" />
56
                  <display value="Vaccine product (product): { Has active</pre>
      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 +</pre>
      poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
66
                  <target>
67
                      <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-</pre>
      Hepatitis-B-Impfstoff" />
68
                      <display value="Diphtherie-Pertussis, Poliomyelitis,</pre>
      Tetanus, Hepatitis B-Impfstoff" />
69
                      <equivalence value="equivalent" />
70
                  </target>
71
              </element>
72
              <element>
73
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      {127489000=412374001}{127489000=396433007}{127489000=412375000}
      {127489000=396424005}" />
                  <display value="Vaccine product (product): { Has active</pre>
74
      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>
                      <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
76
     Tetanus-Hepatitis-B-Impfstoff" />
77
                      <display value="Diphtherie-Haemophilus influenzae B,
     Pertussis, Tetanus, Hepatitis B-Impfstoff" />
78
                      <equivalence value="equivalent" />
```

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79
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 80
               </element>
 81
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 82
 83
                   <display value="Hepatitis A+typhoid vaccine (product)" />
 84
                   <target>
 85
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 86
                       <display value="Typhus-Hepatitis A-Impfstoff" />
                       <equivalence value="equivalent" />
 87
 88
                   </target>
 89
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 90
               <element>
 91
                   <code value="426842004" />
 92
                   <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
 93
                   <target>
 94
                       <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
       Poliomyelitis-Tetanus-Hepatitis-B-Impfstoff" />
 95
                       <display value="Diphtherie-Haemophilus influenzae B-
       Pertussis, Poliomyelitis, Tetanus, Hepatitis B-Impfstoff" />
 96
                       <equivalence value="equivalent" />
 97
                   </target>
 98
               </element>
 99
               <element>
100
                   <code value="426971004" />
101
                   <display value="Haemophilus influenzae Type b + recombinant</pre>
       hepatitis B virus vaccine (product)" />
102
                   <target>
103
                       <code value="Haemophilus-influenzae-B-Hepatitis-B-
       Impfstoff" />
104
                       <display value="Haemophilus influenzae B, Hepatitis B-
      Impfstoff" />
105
                       <equivalence value="equivalent" />
106
                   </target>
107
               </element>
108
               <element>
109
                   <code value="787859002:{127489000=428126001}
       {127489000=396424005}{127489000=412375000}" />
110
                   <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
       active ingredient (attribute) = Tetanus vaccine (substance) }" />
111
                   <target>
112
                       <code value="Diphtherie-Hepatitis-B-Tetanus-Impfstoff" />
113
                       <display value="Diphtherie, Hepatitis B, Tetanus-</pre>
       Impfstoff" />
114
                       <equivalence value="equivalent" />
115
                   </target>
116
               </element>
117
               <element>
118
                   <code value="414004005" />
119
                   <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
120
                   <target>
121
                       <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-</pre>
       Poliomyelitis-Tetanus-Impfstoff" />
122
                       <display value="Diphtherie-Haemophilus influenzae B,
       Pertussis, Poliomyelitis, Tetanus-Impfstoff" />
123
                       <equivalence value="equivalent" />
```

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124
                   </target>
125
               </element>
126
               <element>
127
                    <code value="426081003" />
128
                   <display value="Diphtheria + tetanus + pertussis + recombinant</pre>
       hepatitis B virus vaccine (product)" />
129
                   <target>
130
                        <code value="Diphtherie-Hepatitis-B-Pertussis-Tetanus-</pre>
       Impfstoff" />
131
                        <display value="Diphtherie, Hepatitis B, Pertussis,</pre>
       Tetanus-Impfstoff" />
132
                        <equivalence value="equivalent" />
133
                   </target>
134
               </element>
135
               <element>
                   <code value="787859002:{127489000=412374001}
136
       {127489000=396436004}" />
                   <display value="Vaccine product (product): { Has active</pre>
137
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
       (substance) }" />
138
                   <target>
139
                        <code value="Haemophilus-influenzae-B-Poliomyelitis-
       Impfstoff" />
140
                        <display value="Haemophilus influenzae B, Poliomyelitis-
       Impfstoff" />
141
                        <equivalence value="equivalent" />
142
                   </target>
143
               </element>
144
               <element>
145
                    <code value="787859002:{127489000=428126001}
       {127489000=396438003}{127489000=412375000}" />
146
                   <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) } { Has active
       ingredient (attribute) = Tetanus vaccine (substance) }" />
147
                   <target>
148
                        <code value="Diphtherie-Roeteln-Tetanus-Impfstoff" />
149
                        <display value="Diphtherie, Röteln, Tetanus-Impfstoff" />
150
                        <equivalence value="equivalent" />
151
                   </target>
152
               </element>
153
               <element>
154
                   <code value="414005006" />
155
                   <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis vaccine (product)" />
156
                   <target>
157
                        <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-</pre>
       Impfstoff" />
158
                        <display value="Diphtherie, Pertussis, Poliomyelitis,</pre>
       Tetanus- Impfstoff" />
159
                        <equivalence value="equivalent" />
160
                   </target>
161
               </element>
162
               <element>
163
                   <code value="414006007" />
164
                   <display value="Diphtheria + tetanus + poliomyelitis vaccine</pre>
       (product)" />
165
                   <target>
166
                        <code value="Diphtherie-Poliomyelitis-Tetanus-Impfstoff" />
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167
                       <display value="Diphtherie, Poliomyelitis, Tetanus-</pre>
       Impfstoff" />
168
                        <equivalence value="equivalent" />
169
                   </target>
170
               </element>
171
               <element>
172
                   <code value="419550004" />
173
                   <display value="Measles + mumps + rubella + varicella vaccine</pre>
       (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</pre>
       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>
               </element>
188
189
               <element>
190
                   <code value="61153008" />
191
                   <display value="Measles, mumps and rubella vaccine (product)" /</pre>
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
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>
               </element>
215
216
217
                   <code value="350327004" />
218
                   <display value="Diphtheria + tetanus vaccine (product)" />
219
                   <target>
```

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220
                       <code value="Tetanus-Diphtherie-Impfstoff" />
221
                       <display value="Tetanus, Diphtherie-Impfstoff" />
                       <equivalence value="equivalent" />
222
223
                   </target>
224
               </element>
225
               <element>
226
                   <code value="78785900:{127489000=398730001}
       {127489000=412374001}" />
227
                   <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) }" />
228
                   <target>
                       <code value="Pneumokokken-Haemophilus-influenzae-B-
229
       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</pre>
       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
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242
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243
               <element>
244
                   <code value="787859002:{127489000=412374001}
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245
                   <display value="Vaccine product (product): { Has active</pre>
       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</pre>
       ingredient (attribute) = Cholera vaccine (substance) } { Has active
       ingredient (attribute) = Typhoid vaccine (substance) }" />
255
                   <target>
                       <code value="Cholera-Typhus-Impfstoff" />
256
257
                       <display value="Cholera, Typhus-Impfstoff" />
258
                       <equivalence value="equivalent" />
259
                   </target>
260
               </element>
```

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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
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271
                   <code value="333699008" />
                   <display value="Tick-borne encephalitis vaccine" />
272
273
                       <code value="FSME-Impfstoff" />
274
275
                       <display value="FSME-Impfstoff" />
                       <equivalence value="equivalent" />
276
277
                   </target>
278
               </element>
279
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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
                       <code value="Polio-Impfstoff" />
292
293
                       <display value="Polio-Impfstoff" />
294
                       <equivalence value="equivalent" />
295
                   </target>
296
               </element>
297
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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
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305
               </element>
306
               <element>
307
                   <code value="333606008" />
308
                   <display value="Rabies vaccine" />
309
                   <target>
310
                       <code value="Tollwut-Impfstoff" />
                       <display value="Tollwut-Impfstoff" />
311
312
                       <equivalence value="equivalent" />
313
                   </target>
314
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315
               <element>
                   <code value="407737004" />
316
317
                   <display value="Varicella-zoster vaccine" />
318
                   <target>
319
                       <code value="Herpes-Zoster-Totimpfstoff" />
320
                       <display value="Herpes Zoster-Totimpfstoff" />
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321
                       <equivalence value="equivalent" />
322
                   </target>
323
               </element>
324
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325
                   <code value="33234009" />
326
                   <display value="Smallpox vaccine" />
327
                   <target>
328
                       <code value="Pockenimpfstoff" />
329
                       <display value="Pockenimpfstoff" />
330
                       <equivalence value="equivalent" />
331
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332
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333
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334
                   <code value="424519000" />
335
                   <display value="Human papillomavirus vaccine" />
336
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337
                       <code value="HPV-Impfstoff" />
338
                       <display value="HPV Impfstoff" />
339
                       <equivalence value="equivalent" />
340
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341
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343
                   <code value="56844000" />
344
                   <display value="Yellow fever vaccine" />
345
                   <target>
346
                       <code value="Gelbfieberimpfstoff" />
347
                       <display value="Gelbfieberimpfstoff" />
348
                       <equivalence value="equivalent" />
349
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350
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351
                   <code value="386013003" />
352
353
                   <display value="Rubella vaccine" />
354
                   <target>
355
                       <code value="Roetelnimpfstoff" />
356
                       <display value="Rötelnimpfstoff" />
357
                       <equivalence value="equivalent" />
358
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359
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361
                   <code value="386012008" />
362
                   <display value="Measles vaccine" />
363
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364
                       <code value="Masernimpfstoff" />
                       <display value="Masernimpfstoff" />
365
366
                       <equivalence value="equivalent" />
367
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368
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369
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370
                   <code value="14745005" />
371
                   <display value="Hepatitis A virus vaccine" />
372
                   <target>
373
                       <code value="Hepatitis-A-Impfstoff" />
374
                       <display value="Hepatitis A Impfstoff" />
375
                       <equivalence value="equivalent" />
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                   </target>
377
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               <element>
                   <code value="34689006" />
379
380
                   <display value="Hepatitis B virus vaccine" />
```

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381
                   <target>
382
                        <code value="Hepatitis-B-Impfstoff" />
383
                       <display value="Hepatitis B Impfstoff" />
384
                       <equivalence value="equivalent" />
385
                   </target>
386
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387
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                   <code value="46233009" />
388
389
                   <display value="Influenza virus vaccine" />
390
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391
                       <code value="Influenzaimpfstoff" />
392
                       <display value="Influenzaimpfstoff" />
393
                       <equivalence value="equivalent" />
394
                   </target>
395
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396
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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>
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405
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                   <code value="420538001" />
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407
                   <display value="Tuberculosos vaccine" />
408
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409
                       <code value="Tuberkuloseimpfstoff" />
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410
411
                       <equivalence value="equivalent" />
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415
                   <code value="333621002" />
416
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                       <code value="Tetanusimpfstoff" />
418
419
                       <display value="Tetanusimpfstoff" />
420
                       <equivalence value="equivalent" />
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424
                   <code value="333598008" />
425
                   <display value="Pneumococcal vaccine" />
426
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427
                       <code value="Pneumokokkenimpfstoff" />
428
                       <display value="Pneumokokkenimpfstoff" />
429
                       <equivalence value="equivalent" />
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431
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432
               <element>
433
                   <code value="11866009" />
434
                   <display value="Plague vaccine" />
435
                   <target>
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436
437
                       <display value="Pestimpfstoff" />
438
                       <equivalence value="equivalent" />
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441
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442
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443
                   <display value="Pertussis vaccine" />
444
                   <target>
445
                       <code value="Pertussisimpfstoff" />
446
                       <display value="Pertussisimpfstoff" />
447
                       <equivalence value="equivalent" />
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                   </target>
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451
                   <code value="423531006" />
452
                   <display value="Meningococcus vaccine" />
453
                   <target>
454
                       <code value="Meningokokkenimpfstoff" />
455
                       <display value="Meningokokkenimpfstoff" />
                       <equivalence value="equivalent" />
456
457
                   </target>
458
               </element>
459
               <element>
460
                   <code value="333680004" />
461
                   <display value="Haemophilus influenzae Type b vaccine" />
462
                   <target>
                       <code value="Haemophilus-influenzae-B-Impfstoff" />
463
464
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465
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466
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467
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468
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469
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470
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471
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472
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473
474
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475
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476
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478
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479
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480
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481
482
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483
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484
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485
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486
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487
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488
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489
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490
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491
492
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494
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497
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498
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499
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500
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```

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501
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502
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503
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504
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505
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506
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       (medicinal product)" />
507
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508
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509
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510
                        <equivalence value="equivalent" />
511
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512
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514
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                   <display value="Product containing human anti-D immunoglobulin"</pre>
515
       (medicinal product)|" />
516
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517
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518
                        <display value="Anti-D(rh)-Immunglobulin" />
519
                        <equivalence value="equivalent" />
520
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521
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522
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523
                   <code value="384706007" />
524
                   <display value="Product containing tetanus antitoxin (medicinal</pre>
       product)" />
525
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526
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527
                        <display value="Tetanus-Immunglobulin" />
528
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530
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531
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532
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533
                   <display value="Product containing Varicella-zoster virus"</pre>
       antibody (medicinal product)" />
534
                   <target>
535
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536
                        <display value="Varicella/Zoster-Immunglobulin" />
537
                        <equivalence value="equivalent" />
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       immunoglobulin (medicinal product)" />
543
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544
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545
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546
                        <equivalence value="equivalent" />
547
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548
               </element>
549
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550
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551
                   <display value="Product containing rabies human immune globulin</pre>
       (medicinal product)" />
552
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553
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554
                        <display value="Tollwut-Immunglobulin" />
```

```
555
                        <equivalence value="equivalent" />
556
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557
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558
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559
                   <code value="9778000" />
560
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       (medicinal product)" />
561
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562
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563
                        <display value="Cytomegalievirus-Immunglobulin" />
564
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568
                   <code value="108725001" />
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569
       product)" />
570
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571
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572
                        <display value="Palivizumab" />
573
                        <equivalence value="equivalent" />
574
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575
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577
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                   <display value="Product containing bezlotoxumab (medicinal</pre>
578
       product)" />
579
                   <target>
580
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581
                        <display value="Bezlotoxumab" />
582
                        <equivalence value="equivalent" />
583
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584
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585
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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
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593
               </element>
594
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595
                   <code value="421245007" />
596
                   <display value="Diphtheria + pertussis + tetanus vaccine</pre>
       (product)" />
597
                   <target>
598
                        <code value="Pertussis-gereinigtes Antigen-Kombinationen-
       mit-Toxoiden" />
599
                        <display value="Pertussis, gereinigtes Antigen,</pre>
       Kombinationen mit Toxoiden" />
600
                        <equivalence value="equivalent" />
601
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602
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603
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604
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```

KBV_CM_MIO_Vaccination_Vaccine_Targetdisease

```
1
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 2
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 3
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 4
 5
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 6
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 7
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 8
          <description value="Diese Conceptmap verknüpft die Codes für</pre>
      impfrelevante durchgemachte Krankheiten mit denen für Impfstoffe und bietet
      einen deutschen Codes dazu" />
 9
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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
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11
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12
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14
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15
                  <display value="Smallpox (disorder)" />
16
                  <target>
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17
18
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19
                      <equivalence value="equivalent" />
20
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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
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29
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30
              </element>
31
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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" />
```

```
45
                        <display value="Herpes zoster" />
 46
                        <equivalence value="equivalent" />
 47
                   </target>
 48
               </element>
 49
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 50
                   <code value="38907003" />
 51
                   <display value="Varicella (disorder)" />
 52
                   <target>
                        <code value="I15579" />
 53
 54
                        <display value="Windpocken" />
 55
                        <equivalence value="equivalent" />
 56
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 57
               </element>
 58
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 59
                   <code value="36653000" />
                   <display value="Rubella (disorder)" />
 60
 61
                   <target>
                        <code value="I15222" />
 62
 63
                        <display value="Röteln" />
 64
                        <equivalence value="equivalent" />
 65
                   </target>
 66
               </element>
 67
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 68
                   <code value="18624000" />
 69
                   <display value="Disease caused by Rotavirus (disorder)" />
 70
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 71
                        <code value="I110761" />
                        <display value="Infektion durch Rotaviren" />
 72
 73
                        <equivalence value="equivalent" />
 74
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 75
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 76
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 77
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 78
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 79
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 80
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 81
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 82
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 83
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 84
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 85
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 86
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 87
 88
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 89
                       <display value="Poliomyelitis" />
 90
 91
                        <equivalence value="equivalent" />
 92
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 93
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 94
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 95
                   <display value="Mumps (disorder)" />
 96
 97
                   <target>
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 98
 99
                       <display value="Mumps" />
100
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101
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102
103
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104
                   <code value="14189004" />
```

```
105
                   <display value="Measles (disorder)" />
106
                   <target>
107
                        <code value="I14609" />
108
                       <display value="Masern" />
109
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110
                    </target>
111
               </element>
112
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113
                   <code value="40468003" />
114
                   <display value="Viral hepatitis, type A (disorder)" />
115
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                       <code value="I15771" />
116
117
                       <display value="Hepatitis A" />
                        <equivalence value="equivalent" />
118
119
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120
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121
122
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123
                   <display value="Viral hepatitis, type B (disorder)" />
124
125
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126
                        <display value="Hepatitis B" />
127
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128
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129
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131
                   <code value="6142004" />
                   <display value="Influenza (disorder)" />
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133
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134
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135
                       <display value="Grippe [Influenza]" />
136
                        <equivalence value="equivalent" />
137
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138
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140
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141
                   <display value="Japanese encephalitis virus disease</pre>
       (disorder)" />
142
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143
                       <code value="I1064" />
                        <display value="Japanische Enzephalitis" />
144
145
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146
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147
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148
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149
                   <code value="16901001" />
150
                   <display value="Central European encephalitis (disorder)" />
151
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152
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153
                       <display value="FSME [Zentraleuropäische Frühsommer-</pre>
       Meningoenzephalitis]" />
154
                        <equivalence value="equivalent" />
155
                   </target>
156
               </element>
157
               <element>
                   <code value="4834000" />
158
159
                   <display value="Thyphoid fever (disorder)" />
160
                   <target>
161
                       <code value="I22454" />
162
                       <display value="Typhus" />
```

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

```
279
                        <display value="Infektion durch Clostridium difficile" />
                        <equivalence value="relatedto" />
280
281
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282
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283
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284
                   <code value="55735004" />
285
                   <display value="Respiratory syncytial virus infection</pre>
       (disorder)" />
286
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287
                       <code value="I5031" />
288
                       <display value="Pneumonie durch Respiratory-Syncytial-Viren
       [RS-Viren]" />
289
                        <equivalence value="relatedto" />
290
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291
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292
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293
                   <code value="28944009" />
294
                   <display value="Cytomegalovirus infection (disorder)" />
295
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296
                        <code value="I15735" />
297
                        <display value="Infektion durch Zytomegalieviren" />
298
                       <equivalence value="relatedto" />
299
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300
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301
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302
                   <code value="307333004" />
303
                   <display value="Rhesus isoimmunization due to anti-D</pre>
       (disorder)" />
304
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305
                        <code value="I97396" />
306
                        <display value="Blutgruppenunverträglichkeit beim
       Neugeborenen" />
307
                        <equivalence value="relatedto" />
308
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309
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310
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312
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313
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314
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315
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316
                   <display value="Haemophilus influenzae type b infection</pre>
       (disorder)" />
317
                   <target>
318
                        <code value="333680004" />
                       <display value="Haemophilus influenzae Type b vaccine</pre>
319
       (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</pre>
       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 +</pre>
       Meningococcal group C vaccine (product)" />
                        <equivalence value="relatedto" />
330
331
                   </target>
332
                   <target>
333
                        <code value="787859002:{127489000=398730001}
       {127489000=412374001}" />
334
                        <display value="Vaccine product (product): { Has active</pre>
       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</pre>
       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 +</pre>
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
345
                        <equivalence value="relatedto" />
346
                   </target>
347
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348
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       {127489000=396424005}{127489000=412375000}" />
349
                        <display value="Vaccine product (product): { Has active</pre>
       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</pre>
       hepatitis B virus vaccine (product)" />
355
                        <equivalence value="relatedto" />
356
                   </target>
357
                   <target>
358
                        <code value="426842004" />
                        <display value="Diphtheria + tetanus + pertussis +</pre>
359
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
360
                       <equivalence value="relatedto" />
361
                   </target>
362
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363
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       {127489000=412374001}{127489000=396433007}{127489000=412375000}
       {127489000=396424005}" />
```

```
364
                       <display value="Vaccine product (product): { Has active</pre>
       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) }" />
365
                       <equivalence value="relatedto" />
366
                   </target>
367
                   <target>
368
                       <code value="787859002:127489000=428126001,412374001,396433"
       007,412375000,396424005,768365004,768366003" />
369
                       <display value="Vaccine product (product): Has active</pre>
       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)" />
370
                       <equivalence value="relatedto" />
371
                   </target>
372
               </element>
373
               <element>
374
                   <code value="75702008" />
375
                   <display value="Brucellosis (disorder)" />
376
                   <target>
                       <code value="7230005" />
377
378
                       <display value="Brucella vaccine (product)" />
379
                       <equivalence value="relatedto" />
380
                   </target>
381
               </element>
382
383
                   <code value="67924001" />
384
                   <display value="Smallpox (disorder)" />
385
                   <target>
386
                       <code value="33234009" />
387
                       <display value="Smallpox vaccine (product)" />
388
                       <equivalence value="relatedto" />
389
                   </target>
390
               </element>
391
               <element>
                   <code value="240532009" />
392
393
                   <display value="Human papilomavirus infection (disorder)" />
394
                   <target>
395
                       <code value="424519000" />
                       <display value="Human papillomavirus vaccine (product)" />
396
397
                       <equivalence value="relatedto" />
398
                   </target>
399
               </element>
400
               <element>
401
                   <code value="16541001" />
402
                   <display value="Yellow fewer (disorder)" />
403
                   <target>
404
                       <code value="56844000" />
405
                       <display value="Yellow fever vaccine (product)" />
406
                       <equivalence value="relatedto" />
407
                   </target>
408
               </element>
409
               <element>
410
                   <code value="4740000" />
411
                   <display value="Herpes Zoster (disorder)" />
```

```
412
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413
                        <code value="407746005" />
                        <display value="Varicella-zoster live attenuated vaccine"
414
       (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"</pre>
       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>
                        <code value="419550004" />
437
438
                        <display value="Measles + mumps + rubella + varicella</pre>
       vaccine (product)" />
439
                        <equivalence value="relatedto" />
440
                   </target>
441
                   <target>
442
                        <code value="62294009" />
443
                        <display value="Product containing Varicella-zoster virus"</pre>
       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>
                        <code value="787859002:{127489000=396427003}
461
       {127489000=396438003}" />
462
                        <display value="Vaccine product (product): { Has active</pre>
       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</pre>
       vaccine (product)" />
468
                       <equivalence value="relatedto" />
469
                   </target>
470
                   <target>
471
                        <code value="787859002:{127489000=428126001}
       {127489000=396438003}{127489000=412375000}" />
                       <display value="Vaccine product (product): { Has active</pre>
472
       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>
                        <code value="116077000" />
480
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</pre>
       globulin (medicinal product)" />
496
                       <equivalence value="relatedto" />
497
                   </target>
498
               </element>
499
               <element>
500
                   <code value="398102009" />
                    <display value="Acute Poliomyelitis (disorder)" />
501
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</pre>
       vaccine (product)" />
510
                       <equivalence value="relatedto" />
511
                   </target>
512
                   <target>
513
                       <code value="414005006" />
514
                        <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis vaccine (product)" />
```

```
515
                        <equivalence value="relatedto" />
516
                   </target>
517
                   <target>
518
                        <code value="787859002:{127489000=412374001}</pre>
       {127489000=396436004}" />
519
                        <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) } { Has active ingredient (attribute) = Live Poliovirus vaccine
       (substance) }" />
520
                        <equivalence value="relatedto" />
521
                   </target>
522
                   <target>
523
                       <code value="414004005" />
524
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
525
                        <equivalence value="relatedto" />
526
                   </target>
527
                   <target>
528
                        <code value="426842004" />
529
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
530
                       <equivalence value="relatedto" />
531
                   </target>
532
                   <target>
533
                        <code value="427542001" />
534
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
535
                       <equivalence value="relatedto" />
536
                   </target>
537
               </element>
538
               <element>
                   <code value="36989005" />
539
540
                   <display value="Mumps (disorder)" />
541
                   <target>
                        <code value="90043005" />
542
543
                        <display value="Mumps live virus vaccine (product)" />
544
                        <equivalence value="relatedto" />
545
                   </target>
546
                   <target>
547
                        <code value="785865001" />
548
                        <display value="Measles and mumps vaccine (product)" />
549
                        <equivalence value="relatedto" />
550
                   </target>
551
                   <target>
552
                        <code value="61153008" />
553
                        <display value="Measles, mumps and rubella vaccine</pre>
       (product)" />
554
                        <equivalence value="relatedto" />
555
                   </target>
556
                   <target>
557
                        <code value="787859002:{127489000=396427003}</pre>
       {127489000=396438003}" />
558
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Measles vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) }" />
559
                       <equivalence value="relatedto" />
560
                   </target>
561
                   <target>
562
                        <code value="419550004" />
```

```
563
                        <display value="Measles + mumps + rubella + varicella</pre>
       vaccine (product)" />
564
                        <equivalence value="relatedto" />
565
                   </target>
566
               </element>
567
               <element>
568
                   <code value="14189004" />
569
                   <display value="Measles (disorder)" />
570
                   <target>
571
                       <code value="386012008" />
572
                       <display value="Measles vaccine" />
                       <equivalence value="relatedto" />
573
574
                   </target>
575
                   <target>
576
                       <code value="785865001" />
                        <display value="Measles, mumps and rubella vaccine</pre>
577
       (product)" />
578
                        <equivalence value="relatedto" />
579
                   </target>
580
                   <target>
581
                        <code value="787859002:{127489000=396427003}
       {127489000=396438003}" />
582
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Measles vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) }" />
583
                        <equivalence value="relatedto" />
584
                   </target>
585
                   <target>
                        <code value="419550004" />
586
587
                        <display value="Measles + mumps + rubella + varicella</pre>
       vaccine (product)" />
588
                        <equivalence value="relatedto" />
589
                   </target>
590
               </element>
591
               <element>
592
                   <code value="40468003" />
593
                   <display value="Viral hepatitis, type A (disorder)" />
594
                   <target>
595
                        <code value="14745005" />
596
                        <display value="Hepatitis A virus vaccine (product)" />
597
                        <equivalence value="relatedto" />
598
                   </target>
599
                   <target>
600
                        <code value="333702001" />
                        <display value="Hepatitis A+B vaccine (product)" />
601
602
                        <equivalence value="relatedto" />
603
                   </target>
604
                   <target>
605
                        <code value="426081003" />
606
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       recombinant hepatitis B virus vaccine (product)" />
607
                        <equivalence value="relatedto" />
608
                   </target>
609
                   <target>
610
                       <code value="333707007" />
                        <display value="Hepatitis A+typhoid vaccine (product)" />
611
612
                        <equivalence value="relatedto" />
613
                   </target>
614
               </element>
615
               <element>
```

```
616
                   <code value="66071002" />
                   <display value="Viral hepatitis, type B (disorder)" />
617
618
                   <target>
                       <code value="34689006" />
619
620
                       <display value="Hepatitis B virus vaccine (product)" />
621
                       <equivalence value="relatedto" />
622
                   </target>
623
                   <target>
624
                       <code value="333702001" />
625
                       <display value="Hepatitis A+B vaccine (product)" />
626
                       <equivalence value="relatedto" />
627
                   </target>
628
                   <target>
629
                       <code value="426971004" />
630
                       <display value="Haemophilus influenzae Type b + recombinant</pre>
       hepatitis B virus vaccine (product)" />
631
                       <equivalence value="relatedto" />
632
                   </target>
633
                   <target>
634
                       <code value="426842004" />
635
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
                       <equivalence value="relatedto" />
636
637
                   </target>
638
                   <target>
639
                       <code value="787859002:{127489000=428126001}
       {127489000=412374001}{127489000=396433007}{127489000=412375000}
       {127489000=396424005}" />
640
                       <display value="Vaccine product (product): { Has active</pre>
       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) }" />
641
                       <equivalence value="relatedto" />
642
                   </target>
643
                   <target>
644
                       <code value="427542001" />
645
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
646
                       <equivalence value="relatedto" />
647
                   </target>
648
                   <target>
649
                       <code value="787859002:127489000=428126001,412374001,396433"
       007,412375000,396424005,768365004,768366003" />
650
                       <display value="Vaccine product (product): Has active</pre>
       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" />
651
652
                   </target>
653
                   <target>
654
                       <code value="9542007" />
655
                       <display value="Product containing Hepatitis B surface</pre>
       antigen immunoglobulin (medicinal product)" />
656
                       <equivalence value="relatedto" />
```

```
657
                   </target>
658
               </element>
659
               <element>
                   <code value="6142004" />
660
661
                   <display value="Influenza (disorder)" />
662
                   <target>
663
                       <code value="46233009" />
664
                       <display value="Influenza virus vaccine (product)" />
                       <equivalence value="relatedto" />
665
666
                   </target>
667
               </element>
668
               <element>
669
                   <code value="52947006" />
670
                   <display value="Japanese encephalitis virus disease
       (disorder)" />
671
                   <target>
672
                       <code value="333697005" />
673
                       <display value="Japanese B encephalitis vaccine</pre>
       (product)" />
674
                       <equivalence value="relatedto" />
675
                   </target>
676
               </element>
677
               <element>
678
                   <code value="16901001" />
679
                   <display value="Central European encephalitis (disorder)" />
680
                   <target>
681
                       <code value="333699008" />
682
                       <display value="Tick-borne encephalitis vaccine"</pre>
       (product)" />
683
                       <equivalence value="relatedto" />
684
                   </target>
685
               </element>
686
               <element>
687
                   <code value="4834000" />
688
                   <display value="Thyphoid fever (disorder)" />
689
                   <target>
690
                       <code value="89428009" />
691
                       <display value="Typhoid vaccine (product)" />
692
                       <equivalence value="relatedto" />
693
                   </target>
694
                   <target>
695
                       <code value="787859002:{127489000=396422009}
       {127489000=396441007}" />
696
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Cholera vaccine (substance) } { Has active
       ingredient (attribute) = Typhoid vaccine (substance) }" />
697
                       <equivalence value="relatedto" />
698
                   </target>
699
                   <target>
700
                       <code value="333707007" />
701
                       <display value="Hepatitis A+typhoid vaccine (product)" />
702
                       <equivalence value="relatedto" />
703
                   </target>
704
               </element>
705
               <element>
                   <code value="56717001" />
706
                   <display value="Tuberculosis (disorder)" />
707
708
                   <target>
709
                       <code value="420538001" />
710
                       <display value="Tuberculosos vaccine (product)" />
```

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711
                        <equivalence value="relatedto" />
712
                   </target>
713
               </element>
714
               <element>
715
                   <code value="76902006" />
716
                    <display value="Tetanus (disorder)" />
717
                   <target>
718
                        <code value="333621002" />
719
                        <display value="Tetanus vaccine (product)" />
720
                        <equivalence value="relatedto" />
721
                   </target>
722
                   <target>
723
                        <code value="350327004" />
724
                        <display value="Diphtheria + tetanus vaccine (product)" />
725
                        <equivalence value="relatedto" />
726
                   </target>
727
                   <target>
728
                        <code value="414006007" />
                        <display value="Diphtheria + tetanus + poliomyelitis</pre>
729
       vaccine (product)" />
730
                        <equivalence value="relatedto" />
731
                   </target>
732
                   <target>
733
                        <code value="414005006" />
734
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis vaccine (product)" />
735
                       <equivalence value="relatedto" />
736
                   </target>
737
                   <target>
738
                        <code value="787859002:{127489000=428126001}</pre>
       {127489000=396438003}{127489000=412375000}" />
739
                        <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) } { Has active
       ingredient (attribute) = Tetanus vaccine (substance) }" />
                       <equivalence value="relatedto" />
740
741
                   </target>
742
                   <target>
743
                        <code value="426081003" />
744
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       recombinant hepatitis B virus vaccine (product)" />
745
                       <equivalence value="relatedto" />
746
                   </target>
747
                   <target>
748
                        <code value="414004005" />
                       <display value="Diphtheria + tetanus + pertussis +</pre>
749
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
750
                        <equivalence value="relatedto" />
751
                   </target>
752
                   <target>
753
                        <code value="426842004" />
754
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
755
                       <equivalence value="relatedto" />
756
                   </target>
757
                   <target>
758
                        <code value="787859002:{127489000=428126001}
       {127489000=412374001}{127489000=396433007}{127489000=412375000}
       {127489000=396424005}" />
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759
                       <display value="Vaccine product (product): { Has active</pre>
       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) }" />
760
                       <equivalence value="relatedto" />
761
                   </target>
762
                   <target>
763
                       <code value="427542001" />
764
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
765
                       <equivalence value="relatedto" />
766
                   </target>
767
                   <target>
768
                       <code value="787859002:127489000=28126001,412374001,3964330"
       07,398777006,396424005,768365004,768366003" />
769
                       <display value="Vaccine product (product):Has active</pre>
       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)" />
770
                       <equivalence value="relatedto" />
771
                   </target>
772
                   <target>
773
                       <code value="384706007" />
774
                       <display value="Product containing tetanus antitoxin</pre>
       (medicinal product)" />
775
                       <equivalence value="relatedto" />
776
                   </target>
777
               </element>
778
               <element>
779
                   <code value="16814004" />
780
                   <display value="Pneumococcal infectious disease (disorder)" />
781
                   <target>
782
                       <code value="333598008" />
783
                       <display value="Pneumococcal vaccine (product)" />
784
                       <equivalence value="relatedto" />
785
                   </target>
786
                   <target>
787
                       <code value="787859002:{127489000=398730001}</pre>
       {127489000=412374001}" />
788
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Pneumococcal vaccine (substance) } { Has active
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) }" />
789
                       <equivalence value="relatedto" />
790
                   </target>
791
               </element>
792
               <element>
793
                   <code value="58750007" />
794
                   <display value="Plague (disorder)" />
795
                   <target>
796
                       <code value="11866009" />
797
                       <display value="Plague vaccine (product)" />
798
                       <equivalence value="relatedto" />
                   </target>
799
800
               </element>
801
               <element>
```

```
802
                   <code value="27836007" />
                   <display value="Pertussis (disorder)" />
803
804
                   <target>
805
                       <code value="61602008" />
806
                       <display value="Pertussis vaccine (product)" />
807
                       <equivalence value="relatedto" />
808
                   </target>
809
                   <target>
810
                       <code value="787859002:{127489000=412374001}
       {127489000=396433007}{127489000=396411005}" />
811
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Haemophilus influenzae type b vaccine
       (substance) } { Has active ingredient (attribute) = Pertussis vaccine
       (substance) } { Has active ingredient (attribute) = Toxoid (substance) }" /
812
                       <equivalence value="relatedto" />
813
                   </target>
814
                   <target>
815
                       <code value="414005006" />
816
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis vaccine (product)" />
817
                       <equivalence value="relatedto" />
818
                   </target>
819
                   <target>
820
                       <code value="426081003" />
                       <display value="Diphtheria + tetanus + pertussis +</pre>
821
       recombinant hepatitis B virus vaccine (product)" />
822
                       <equivalence value="relatedto" />
823
                   </target>
824
                   <target>
825
                       <code value="414004005" />
826
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + haemophilus influenzae b vaccine (product)" />
827
                       <equivalence value="relatedto" />
828
                   </target>
829
                   <target>
830
                        <code value="426842004" />
831
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
832
                       <equivalence value="relatedto" />
833
                   </target>
834
                   <target>
                       <code value="787859002:{127489000=428126001}
835
       \{127489000=412374001\}\{127489000=396433007\}\{127489000=412375000\}
       {127489000=396424005}" />
836
                       <display value="Vaccine product (product): { Has active</pre>
       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) }" />
837
                       <equivalence value="relatedto" />
838
                   </target>
839
                   <target>
840
                       <code value="427542001" />
                       <display value="Diphtheria + tetanus + pertussis +</pre>
841
       poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
842
                       <equivalence value="relatedto" />
```

```
843
                   </target>
844
                   <target>
845
                       <code value="787859002:127489000=428126001,412374001,396433"
      007,412375000,396424005,768365004,768366003" />
846
                       <display value="Vaccine product (product): Has active</pre>
       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)" />
847
                       <equivalence value="relatedto" />
848
                   </target>
849
               </element>
850
               <element>
851
                   <code value="23511006" />
852
                   <display value="Meningococcal infectious disease (disorder)" />
853
                   <target>
854
                       <code value="423531006" />
855
                       <display value="Meningococcus vaccine (product)" />
856
                       <equivalence value="relatedto" />
857
                   </target>
858
                   <target>
859
                       <code value="423912009" />
860
                       <display value="Haemophilus influenzae type b +</pre>
       Meningococcal group C vaccine (product)" />
861
                       <equivalence value="relatedto" />
862
                   </target>
863
                   <target>
864
                       <code value="787859002:{127489000=428126001}
       \{127489000=412374001\}\{127489000=396433007\}\{127489000=412375000\}
       {127489000=396424005}{127489000=768365004}{127489000=768366003}" />
865
                       <display value="Vaccine product (product): { Has active</pre>
       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) }" />
866
                       <equivalence value="relatedto" />
867
                   </target>
868
               </element>
869
               <element>
870
                   <code value="397430003" />
                   <display value="Diphtheria caused by Corynebacterium"
871
       diphtheriae (disorder)" />
872
                   <target>
873
                       <code value="428214002" />
874
                       <display value="Diphtheria vaccine (product)" />
                       <equivalence value="relatedto" />
875
876
                   </target>
877
                   <target>
878
                       <code value="350327004" />
879
                       <display value="Diphtheria + tetanus vaccine (product)" />
880
                       <equivalence value="relatedto" />
881
                   </target>
882
                   <target>
883
                       <code value="414006007" />
```

```
884
                       <display value="Diphtheria + tetanus + poliomyelitis</pre>
       vaccine (product)" />
                       <equivalence value="relatedto" />
885
886
                   </target>
887
                   <target>
888
                       <code value="414005006" />
889
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       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</pre>
       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 +</pre>
       recombinant hepatitis B virus vaccine (product)" />
900
                       <equivalence value="relatedto" />
901
                   </target>
902
                   <target>
903
                       <code value="414004005" />
904
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       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</pre>
       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 +</pre>
       poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
       influenzae type B vaccine (product)" />
                       <equivalence value="relatedto" />
915
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</pre>
       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>
```

```
922
                   <target>
923
                        <code value="427542001" />
924
                       <display value="Diphtheria + tetanus + pertussis +</pre>
       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</pre>
       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>
                       <code value="787859002:{127489000=396422009}
942
       {127489000=396441007}" />
943
                       <display value="Vaccine product (product): { Has active</pre>
       ingredient (attribute) = Cholera vaccine (substance) } { Has active
       ingredient (attribute) = Typhoid vaccine (substance) }" />
944
                       <equivalence value="relatedto" />
945
                   </target>
946
               </element>
947
               <element>
                   <code value="409498004" />
948
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" />
                   <display value="Clostridioides difficile infection
967
       (disorder)" />
968
                   <target>
969
                       <code value="763703008" />
```

```
970
                         <display value="Product containing bezlotoxumab (medicinal</pre>
        product)" />
 971
                         <equivalence value="relatedto" />
 972
                     </target>
 973
                </element>
 974
                <element>
 975
                     <code value="55735004" />
                     <display value="Respiratory syncytial virus infection</pre>
 976
        (disorder)" />
 977
                     <target>
 978
                         <code value="108725001" />
 979
                         <display value="Product containing palivizumab (medicinal</pre>
        product)" />
 980
                         <equivalence value="relatedto" />
 981
                     </target>
 982
                </element>
 983
                <element>
 984
                     <code value="28944009" />
 985
                     <display value="Cytomegalovirus infection (disorder)" />
 986
 987
                         <code value="9778000" />
 988
                         <display value="Product containing Cytomegalovirus antibody
        (medicinal product)" />
 989
                         <equivalence value="relatedto" />
 990
                     </target>
 991
                </element>
 992
                <element>
 993
                     <code value="307333004" />
 994
                     <display value="Rhesus isoimmunization due to anti-D
        (disorder)" />
 995
                     <target>
 996
                         <code value="786224004" />
 997
                         <display value="Product containing human anti-D</pre>
        immunoglobulin (medicinal product)|" />
 998
                         <equivalence value="relatedto" />
 999
                     </target>
1000
                </element>
1001
                <element>
1002
                     <code value="64572001" />
1003
                     <display value="Disease (disorder)" />
1004
                     <target>
1005
                         <code value="714569001" />
1006
                         <display value="Product containing normal immunoglobulin"</pre>
        human (medicinal product)" />
1007
                         <equivalence value="relatedto" />
1008
                     </target>
1009
                </element>
1010
                <element>
1011
                     <code value="40733004" />
1012
                     <display value="Infectious disease (disorder)" />
1013
                    <target>
1014
                         <code value="787859002:{127489000=396422009}
        {127489000=396441007}" />
1015
                         <display value="Vaccine product (product): { Has active</pre>
        ingredient (attribute) = Cholera vaccine (substance) } { Has active
        ingredient (attribute) = Typhoid vaccine (substance) }" />
1016
                         <equivalence value="relatedto" />
1017
                     </target>
1018
                </element>
1019
            </group>
```

```
1020
            <group>
1021
                <source value="http://snomed.info/sct" />
1022
                <target value="https://fhir.kbv.de/CodeSystem/
        KBV_CS_MIO_Vaccination_Targetdisease_German" />
1023
                <element>
1024
                    <code value="64572001" />
1025
                    <display value="Disease (disorder)" />
1026
                    <target>
1027
                        <code value="Notwendigkeit-Immunglobulingabe" />
1028
                        <display value="Notwendigkeit für Immunglobulingabe</pre>
        (normal, human)" />
1029
                        <equivalence value="relatedto" />
1030
                    </target>
1031
                </element>
1032
                <element>
1033
                    <code value="40733004" />
1034
                    <display value="Infectious disease (disorder)" />
1035
                    <target>
1036
                        <code value="Infektionskrankheit-unspezifiziert" />
1037
                        <display value="Infektionskrankheit (unspezifiziert)" />
1038
                        <equivalence value="relatedto" />
1039
                    </target>
1040
                </element>
1041
            </group>
1042
        </ConceptMap>
```

KBV_CS_MIO_Vaccination_Age_Group_German

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      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" />
          <content value="complete" />
18
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</pre>
     18. Lebensjahres)" />
30
          </concept>
31
          <concept>
32
              <code value="Kind412" />
33
              <display value="Kind (Ab Beginn des 4. bis zum vollendeten 12.</pre>
     Lebensjahres)" />
34
          </concept>
35
          <concept>
36
              <code value="Kleinkind134" />
37
              <display value="Kleinkind (Ab Beginn des 13. Lebensmonat bis zum</pre>
     vollendeten 3. Lebensjahr)" />
38
          </concept>
39
          <concept>
40
              <code value="Saeugling12" />
              <display value="Säugling (Ab Beginn des 29. Lebenstages bis zum
41
     vollendeten 12. Lebensmonat)" />
42
          </concept>
43
      </CodeSystem>
```

28. KBV_CS_MIO_VACCINATION_IMMUNIZATIONORIGINCODES_GERMAN

$KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German$

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German" />
 3
          <version value="1.00.000" />
          <name value="KBV_CS_MIO_Vaccination_ImmunizationOriginCodes_German" />
 4
 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</pre>
      Bezeichner der Quelle der Information einer Impfung" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
19
          <concept>
20
              <code value="Eltern-Patienten-Erziehungsberechtigter-Erinnerung" />
21
              <display value="Eltern/Erziehungsberechtigter/Patienten</pre>
      Erinnerung" />
22
          </concept>
23
          <concept>
24
              <code value="Schriftliche-Dokumentation" />
25
              <display value="Schriftliche Dokumentation" />
26
          </concept>
27
          <concept>
28
              <code value="Anderer-Arzt-oder-sonstiger-im-Gesundheitsberuf" />
29
              <display value="Anderer Arzt oder sonstiger im Gesundheitsberuf" />
30
          </concept>
31
      </CodeSystem>
```

KBV_CS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_German

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      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</pre>
      rman" />
          <status value="active" />
 5
          <experimental value="false" />
 6
 7
          <date value="2019-11-14" />
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
 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</pre>
      der Titerbestimmungsmöglichkeiten" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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" />
          </concept>
30
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>
```

```
51
          <concept>
52
              <code value="Hepatitis-B-Antikoerpernachweis" />
53
              <display value="Hepatitis B Antikörpernachweis" />
54
          </concept>
55
          <concept>
56
              <code value="Hepatitis-A-Antikoerpernachweis" />
57
              <display value="Hepatitis A Antikörpernachweis" />
58
          </concept>
59
          <concept>
60
              <code value="Diphtherie-Antikoerpernachweis" />
61
              <display value="Diphtherie Antikörpernachweis" />
62
          </concept>
63
          <concept>
64
              <code value="Röteln-Antikoerpernachweis" />
65
              <display value="Röteln Antikörpernachweis" />
66
          </concept>
67
          <concept>
68
              <code value="Tuberkulose-Mendel-Mantoux-Test-positiv" />
69
              <display value="Tuberkulose - Mendel-Mantoux-Test positiv" />
70
          </concept>
71
          <concept>
              <code value="Tuberkulose-Mendel-Mantoux-Test-negativ" />
72
73
              <display value="Tuberkulose - Mendel-Mantoux-Test negativ" />
74
          </concept>
75
          <concept>
76
              <code value="Tuberkulose-Interferon-gamma-assay-positiv" />
              <display value="Tuberkulose - Interferon gamma assay positiv" />
77
78
          </concept>
79
          <concept>
80
              <code value="Tuberkulose-Interferon-gamma-assay-negativ" />
81
              <display value="Tuberkulose - Interferon gamma assay negativ" />
82
          </concept>
83
     </CodeSystem>
```

30. KBV_CS_MIO_VACCINATION_LAB_TITER_IMMUNITY_GERMAN

KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German

```
<CodeSystem xmlns="http://hl7.org/fhir">
 1
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German" />
 3
          <version value="1.00.000" />
          <name value="KBV_CS_MIO_Vaccination_Lab_Titer_Immunity_German" />
 4
 5
          <status value="active" />
 6
          <experimental value="false" />
 7
          <date value="2019-11-14" />
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
 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</pre>
      Bezeichner der Erreichung der Immunität einer Titeruntersuchung" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
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

```
<CodeSystem xmlns="http://hl7.org/fhir">
 1
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      KBV_CS_MIO_Vaccination_Practitioner_Function" />
 3
          <version value="1.00.000" />
          <name value="KBV_CS_MIO_Vaccination_Practitioner_Function" />
 4
 5
          <status value="active" />
 6
          <experimental value="false" />
 7
          <date value="2019-11-14" />
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
 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</pre>
      Bezeichner der Funktionsbezeichung eines Behandelnden" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
19
          <concept>
20
              <code value="arzt-aerztin" />
21
              <display value="Arzt/ Ärztin" />
22
          </concept>
23
      </CodeSystem>
```

KBV_CS_MIO_Vaccination_Prior_Disease_German

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      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</pre>
      Bezeichner der durchgemachten Infektionskrankheiten" />
16
          copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
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>
              <code value="Hepatitis-B" />
36
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>
              <code value="Mumps" />
48
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 <CodeSystem xmlns="http://hl7.org/fhir"> 1 <url value="https://fhir.kbv.de/CodeSystem/</pre> 2 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> <system value="url" /> 11 12 <value value="http://www.kbv.de" /> 13 </telecom> 14 </contact> 15 <description value="Dieses Codesystem enthält die Codes für deutsche</pre> Bezeichner der Quelle der Information" /> 16 <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre> (KBV). All rights reserved." /> 17 <caseSensitive value="true" /> <content value="complete" /> 18 19 <concept> 20 <code value="Unbekannt" /> 21 <display value="Unbekannt" /> 22 </concept> 23 <concept> <code value="Sonstige-Person" /> 24 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

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      KBV_CS_MIO_Vaccination_Targetdisease_German" />
 3
          <version value="1.00.000" />
          <name value="KBV_CS_MIO_Vaccination_Targetdisease_German" />
 4
 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</pre>
      Bezeichner der impfrelevanten Erkrankungen, die nicht in Alpha-ID verfügbar
      sind" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved." />
          <caseSensitive value="true" />
17
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

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      KBV_CS_MIO_Vaccination_Technical_Entry_Type" />
 3
          <version value="1.00.000" />
          <name value="KBV_CS_MIO_Vaccination_Technical_Entry_Type" />
 4
 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</pre>
     Unterscheidung eines Impfeintrages" />
16
          <copyright value="Copyright @ [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
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>
```

KBV_CS_MIO_Vaccination_Vaccine_German

```
1
      <CodeSystem xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/CodeSystem/</pre>
      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</pre>
      Bezeichner der Impfstoffe" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung
      (KBV). All rights reserved." />
17
          <caseSensitive value="true" />
          <content value="complete" />
18
19
          <concept>
              <code value="Mumps-Impfstoff" />
20
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>
              <code value="Herpes-Zoster-Totimpfstoff" />
36
              <display value="Herpes Zoster-Totimpfstoff" />
37
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>
```

```
52
              <code value="Japanische-Enzephalitis-Impfstoff" />
53
              <display value="Japanische Enzephalitis-Impfstoff" />
54
          </concept>
55
          <concept>
56
              <code value="DiphtherieHaemophilus influenzae B-Pertussis-Tetanus-
      Hepatitis B-Meningokokken A + C-Impfstoff" />
57
              <display value="Diphtherie, Haemophilus influenzae B, Pertussis,</pre>
     Tetanus, Hepatitis B, Meningokokken A + C-Impfstoff" />
58
          </concept>
59
          <concept>
60
              <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-Hepatitis-</pre>
      B-Impfstoff" />
61
              <display value="Diphtherie-Pertussis, Poliomyelitis, Tetanus,</pre>
      Hepatitis B-Impfstoff" />
62
          </concept>
63
          <concept>
64
              <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-Tetanus-</pre>
      Hepatitis-B-Impfstoff" />
65
              <display value="Diphtherie-Haemophilus influenzae B, Pertussis,</pre>
     Tetanus, Hepatitis B-Impfstoff" />
66
          </concept>
67
          <concept>
68
              <code value="Typhus-Hepatitis-A-Impfstoff" />
69
              <display value="Typhus-Hepatitis A-Impfstoff" />
70
          </concept>
71
          <concept>
              <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
72
      Poliomyelitis-Tetanus-Hepatitis-B-Impfstoff" />
73
              <display value="Diphtherie-Haemophilus influenzae B-Pertussis,
      Poliomyelitis, Tetanus, Hepatitis B-Impfstoff" />
74
          </concept>
75
          <concept>
76
              <code value="Haemophilus-influenzae-B-Hepatitis-B-Impfstoff" />
77
              <display value="Haemophilus influenzae B, Hepatitis B-Impfstoff" />
78
          </concept>
79
          <concept>
80
              <code value="Diphtherie-Hepatitis-B-Tetanus-Impfstoff" />
              <display value="Diphtherie, Hepatitis B, Tetanus-Impfstoff" />
81
82
          </concept>
83
          <concept>
84
              <code value="Diphtherie-Haemophilus-influenzae-B-Pertussis-
      Poliomyelitis-Tetanus-Impfstoff" />
85
              <display value="Diphtherie-Haemophilus influenzae B, Pertussis,</pre>
      Poliomyelitis, Tetanus-Impfstoff" />
86
          </concept>
87
          <concept>
88
              <code value="Diphtherie-Hepatitis-B-Pertussis-Tetanus-Impfstoff" />
89
              <display value="Diphtherie, Hepatitis B, Pertussis, Tetanus-</pre>
      Impfstoff" />
90
          </concept>
91
          <concept>
92
              <code value="Haemophilus-influenzae-B-Poliomyelitis-Impfstoff" />
93
              <display value="Haemophilus influenzae B, Poliomyelitis-</pre>
      Impfstoff" />
94
          </concept>
95
          <concept>
96
              <code value="Diphtherie-Roeteln-Tetanus-Impfstoff" />
97
              <display value="Diphtherie, Röteln, Tetanus-Impfstoff" />
98
          </concept>
99
          <concept>
```

```
100
               <code value="Diphtherie-Pertussis-Poliomyelitis-Tetanus-
       Impfstoff" />
               <display value="Diphtherie, Pertussis, Poliomyelitis, Tetanus-</pre>
101
       Impfstoff" />
102
          </concept>
103
           <concept>
104
               <code value="Diphtherie-Poliomyelitis-Tetanus-Impfstoff" />
105
               <display value="Diphtherie, Poliomyelitis, Tetanus-Impfstoff" />
106
           </concept>
107
           <concept>
108
               <code value="Roeteln-Mumps-Impfstoff" />
109
               <display value="Röteln, Mumps-Impfstoff" />
110
           </concept>
111
           <concept>
112
               <code value="Masern-Mumps-Roeteln-Varicella-Impfstoff" />
113
               <display value="Masern, Mumps, Röteln, Varicella-Impfstoff" />
114
           </concept>
115
           <concept>
116
               <code value="Masern-Roeteln-Impfstoff" />
117
               <display value="Masern, Röteln-Impfstoff" />
118
           </concept>
119
           <concept>
120
               <code value="Masern-Mumps-Roeteln-Impfstoff" />
121
               <display value="Masern, Mumps, Röteln (MMR) - Impfstoff" />
122
           </concept>
123
           <concept>
124
               <code value="Masern-Mumps-Impfstoff" />
               <display value="Masern, Mumps-Impfstoff" />
125
126
           </concept>
127
           <concept>
128
               <code value="Hepatitis-A-und-B-Impfstoff" />
129
               <display value="Hepatitis A und B-Impfstoff" />
130
           </concept>
131
           <concept>
132
               <code value="Tetanus-Diphtherie-Impfstoff" />
133
               <display value="Tetanus, Diphtherie-Impfstoff" />
134
           </concept>
135
           <concept>
136
               <code value="Pneumokokken-Haemophilus-influenzae-B-Impfstoff" />
               <display value="Pneumokokken, Haemophilus influenzae B-Impfstoff" /</pre>
137
138
           </concept>
139
           <concept>
140
               <code value="Haemophilus-influenzae-B-Meningokokken-C-Impfstoff" />
141
               <display value="Haemophilus influenzae B, Meningokokken C-</pre>
       Impfstoff" />
142
           </concept>
143
           <concept>
144
               <code value="Haemophilus-influenzae-B-Pertussis-Impfstoff" />
145
               <display value="Haemophilus influenzae B, Pertussis-Impfstoff" />
146
           </concept>
147
           <concept>
148
               <code value="Cholera-Typhus-Impfstoff" />
149
               <display value="Cholera, Typhus-Impfstoff" />
150
           </concept>
151
           <concept>
152
               <code value="Pockenimpfstoff" />
153
               <display value="Pockenimpfstoff" />
154
           </concept>
155
           <concept>
```

```
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>
               <code value="Roetelnimpfstoff" />
164
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</pre>
       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>
               <code value="Varicella-Zoster-Immunglobulin" />
252
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" />
               <display value="Palivizumab" />
269
270
           </concept>
271
           <concept>
272
               <code value="Bezlotoxumab" />
273
               <display value="Bezlotoxumab" />
```

KBV_EX_MIO_Vaccination_Additional_Comment

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
          <abstract value="false" />
16
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>
              <type value="element" />
26
              <expression value="Practitioner" />
27
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/</pre>
      Extension" />
35
          <derivation value="constraint" />
36
          <differential>
              <element id="Extension">
37
38
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
39
                       <valueCode value="normative" />
40
                  </extension>
41
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
42
                       <valueCode value="4.0.0" />
43
                  </extension>
44
                  <path value="Extension" />
45
                  <short value="Ergänzende Angaben" />
                  <definition value="Mit diesem Profil ist eine zusätzlicher</pre>
46
      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]">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
53
      structuredefinition-standards-status">
54
                       <valueCode value="normative" />
55
                  </extension>
56
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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>
                  <min value="1" />
67
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/</pre>
      structuredefinition-standards-status">
74
                       <valueCode value="normative" />
75
                  </extension>
76
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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>
```

KBV_EX_MIO_Vaccination_Age_Groups

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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" />
          <date value="2020-05-19" />
 6
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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" />
          <abstract value="false" />
16
17
          <context>
18
              <type value="element" />
19
              <expression value="Condition.onsetString" />
20
21
          <type value="Extension" />
22
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                       <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
30
                      <valueCode value="4.0.0" />
31
                  </extension>
32
                  <path value="Extension" />
33
                  <short value="Lebensphase" />
                  <definition value="In dieser Extension wird die Lebensphase
34
      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/</pre>
      structuredefinition-standards-status">
42
                       <valueCode value="normative" />
43
                  </extension>
44
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
45
                      <valueCode value="4.0.0" />
```

```
46
                   </extension>
47
                   <path value="Extension.value[x]" />
48
                   <slicing>
49
                       <discriminator>
50
                           <type value="type" />
51
                           <path value="$this" />
52
                       </discriminator>
53
                       <rules value="open" />
54
                   </slicing>
55
                   <min value="1" />
56
                   <type>
57
                       <code value="CodeableConcept" />
58
                   </type>
59
                   <br/>
<br/>
ding>
60
                       <strength value="required" />
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
61
      KBV_VS_MIO_Vaccination_Age_Groups" />
62
                   </binding>
63
              </element>
64
              <element id="Extension.value[x]:valueCodeableConcept">
65
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
66
                       <valueCode value="normative" />
67
                   </extension>
68
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
69
                       <valueCode value="4.0.0" />
70
                   </extension>
71
                   <path value="Extension.value[x]" />
72
                   <sliceName value="valueCodeableConcept" />
73
                   <min value="1" />
74
                   <type>
                       <code value="CodeableConcept" />
75
76
                   </type>
77
                   <br/>
<br/>
ding>
78
                       <strength value="required" />
79
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_Age_Groups" />
80
                   </binding>
81
              </element>
82
              <element id="Extension.value[x]:valueCodeableConcept.coding">
83
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
                       <valueCode value="normative" />
84
85
                   </extension>
86
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
87
                       <valueCode value="4.0.0" />
88
                   </extension>
89
                   <path value="Extension.value[x].coding" />
                   <min value="1" />
90
                   <max value="1" />
91
92
              </element>
93
              <element id="Extension.value[x]:valueCodeableConcept.coding.system">
94
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
95
                       <valueCode value="normative" />
96
                   </extension>
97
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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</pre>
       ">
104
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
105
                        <valueCode value="normative" />
106
                   </extension>
107
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
108
                        <valueCode value="4.0.0" />
109
                    </extension>
                    <path value="Extension.value[x].coding.version" />
110
111
                    <min value="1" />
112
               </element>
113
               <element id="Extension.value[x]:valueCodeableConcept.coding.code">
114
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
115
                        <valueCode value="normative" />
116
                   </extension>
117
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
118
119
                    </extension>
120
                    <path value="Extension.value[x].coding.code" />
                    <min value="1" />
121
122
               </element>
123
               <element id="Extension.value[x]:valueCodeableConcept.coding.display</pre>
       ">
124
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
125
                        <valueCode value="normative" />
126
                   </extension>
127
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
128
                        <valueCode value="4.0.0" />
129
                   </extension>
130
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
131
                        <valueBoolean value="true" />
132
                    </extension>
133
                    <path value="Extension.value[x].coding.display" />
134
                    <min value="1" />
               </element>
135
136
               <element id="Extension.value[x]:valueCodeableConcept.coding.userSel</pre>
       ected">
137
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
138
                        <valueCode value="normative" />
139
                   </extension>
140
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
                        <valueCode value="4.0.0" />
141
142
143
                    <path value="Extension.value[x].coding.userSelected" />
                    <max value="0" />
144
145
               </element>
```

```
146
               <element id="Extension.value[x]:valueCodeableConcept.text">
147
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
148
                       <valueCode value="normative" />
149
                   </extension>
150
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
151
                       <valueCode value="4.0.0" />
152
                   </extension>
153
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
154
                       <valueBoolean value="true" />
155
                   </extension>
156
                   <path value="Extension.value[x].text" />
157
                   <short value="Code auf deutsch" />
158
                   <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" />
159
                   <min value="1" />
160
               </element>
161
           </differential>
162
       </StructureDefinition>
```

KBV_EX_MIO_Vaccination_Attester

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                       <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
30
                      <valueCode value="4.0.0" />
31
                  </extension>
32
                  <path value="Extension" />
33
                  <short value="Attester" />
                  <definition value="In diesem Profil soll die Möglichkeit
34
      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>
                          <type value="value" />
40
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/</pre>
      structuredefinition-standards-status">
48
                       <valueCode value="normative" />
49
                  </extension>
50
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
51
                       <valueCode value="4.0.0" />
52
                  </extension>
53
                   <path value="Extension.extension" />
54
                   <sliceName value="mode" />
55
                   <min value="1" />
                   <max value="1" />
56
57
              </element>
58
              <element id="Extension.extension:mode.url">
59
                   <path value="Extension.extension.url" />
                   <fixedUri value="mode" />
60
              </element>
61
62
              <element id="Extension.extension:mode.value[x]">
63
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
64
                       <valueCode value="normative" />
65
                  </extension>
66
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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
                   <tvpe>
79
                       <code value="CodeableConcept" />
80
                   </type>
81
              </element>
82
              <element id="Extension.extension:mode.value[x]:valueCodeableConcept</pre>
83
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
                       <valueCode value="normative" />
84
85
                  </extension>
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
86
      structuredefinition-normative-version">
87
                       <valueCode value="4.0.0" />
88
                   </extension>
89
                   <path value="Extension.extension.value[x]" />
                   <sliceName value="valueCodeableConcept" />
90
91
92
                       <code value="CodeableConcept" />
93
                   </type>
94
              </element>
95
              <element id="Extension.extension:mode.value[x]:valueCodeableConcept</pre>
      .coding">
96
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
97
                       <valueCode value="normative" />
```

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

```
143
                        <valueCode value="4.0.0" />
144
                   </extension>
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
145
       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/</pre>
       structuredefinition-standards-status">
153
                        <valueCode value="normative" />
154
                   </extension>
155
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
156
                        <valueCode value="4.0.0" />
157
                   </extension>
                   <path value="Extension.extension" />
158
159
                   <sliceName value="party" />
160
                    <min value="1" />
                   <max value="1" />
161
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/</pre>
       structuredefinition-standards-status">
169
                        <valueCode value="normative" />
170
                   </extension>
171
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
172
                       <valueCode value="4.0.0" />
173
                   </extension>
174
                   <path value="Extension.extension.value[x]" />
175
                    <slicing>
176
                        <discriminator>
                            <type value="type" />
177
178
                            <path value="$this" />
179
                        </discriminator>
180
                        <rules value="open" />
181
                   </slicing>
                   <min value="1" />
182
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/</pre>
       structuredefinition-standards-status">
191
                       <valueCode value="normative" />
192
                   </extension>
193
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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/</pre>
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
203
                    </type>
204
               </element>
205
               <element id="Extension.extension:party.value[x]:valueReference.refe</pre>
       rence">
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
206
       structuredefinition-standards-status">
                        <valueCode value="normative" />
207
208
                    </extension>
209
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
216
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
217
                        <valueCode value="normative" />
218
                    </extension>
219
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       tifier">
226
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
227
                        <valueCode value="normative" />
228
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
229
       structuredefinition-normative-version">
230
                        <valueCode value="4.0.0" />
231
                    </extension>
232
                    <path value="Extension.extension.value[x].identifier" />
                    <max value="0" />
233
234
               </element>
235
               <element id="Extension.extension:party.value[x]:valueReference.disp</pre>
       lay">
236
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
237
                        <valueCode value="normative" />
238
                    </extension>
239
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
```

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

KBV_EX_MIO_Vaccination_Basic_Immunization

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
          <abstract value="false" />
16
17
          <context>
18
              <type value="element" />
19
              <expression value="Immunization.protocolApplied" />
20
21
          <type value="Extension" />
22
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                      <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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
     True = Impfserie abgeschlossen
36
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/</pre>
      structuredefinition-standards-status">
45
                       <valueCode value="normative" />
46
                  </extension>
47
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
48
                       <valueCode value="4.0.0" />
49
                  </extension>
50
                  <path value="Extension.value[x]" />
51
                  <slicing>
52
                       <discriminator>
                          <type value="type" />
53
                           <path value="$this" />
54
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/</pre>
      structuredefinition-standards-status">
65
                       <valueCode value="normative" />
66
                  </extension>
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
67
      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>
```

KBV_EX_MIO_Vaccination_Enterer

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (KBV). All rights reserved." />
          <fhirVersion value="4.0.1" />
 9
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/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                       <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
30
                      <valueCode value="4.0.0" />
31
                  </extension>
32
                  <path value="Extension" />
33
                  <short value="Attester" />
                  <definition value="In diesem Profil soll die Möglichkeit
34
      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>
                          <type value="value" />
40
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/</pre>
      structuredefinition-standards-status">
48
                       <valueCode value="normative" />
49
                  </extension>
50
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
                       <valueCode value="4.0.0" />
51
52
                  </extension>
53
                   <path value="Extension.extension" />
54
                   <sliceName value="mode" />
55
                   <min value="1" />
                   <max value="1" />
56
57
              </element>
58
              <element id="Extension.extension:mode.url">
59
                   <path value="Extension.extension.url" />
                   <fixedUri value="mode" />
60
              </element>
61
62
              <element id="Extension.extension:mode.value[x]">
63
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
64
                       <valueCode value="normative" />
65
                  </extension>
66
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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
                   <tvpe>
79
                       <code value="CodeableConcept" />
80
                   </type>
81
              </element>
82
              <element id="Extension.extension:mode.value[x]:valueCodeableConcept</pre>
83
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
                       <valueCode value="normative" />
84
85
                  </extension>
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
86
      structuredefinition-normative-version">
87
                       <valueCode value="4.0.0" />
88
                   </extension>
89
                   <path value="Extension.extension.value[x]" />
                   <sliceName value="valueCodeableConcept" />
90
91
92
                       <code value="CodeableConcept" />
93
                   </type>
94
              </element>
95
              <element id="Extension.extension:mode.value[x]:valueCodeableConcept</pre>
      .coding">
96
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
97
                       <valueCode value="normative" />
```

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

```
143
                        <valueCode value="4.0.0" />
144
                   </extension>
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
145
       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/</pre>
       structuredefinition-standards-status">
153
                        <valueCode value="normative" />
154
                   </extension>
155
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
156
                        <valueCode value="4.0.0" />
157
                   </extension>
                   <path value="Extension.extension" />
158
159
                   <sliceName value="party" />
160
                    <min value="1" />
                   <max value="1" />
161
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/</pre>
       structuredefinition-standards-status">
169
                        <valueCode value="normative" />
170
                   </extension>
171
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
172
                        <valueCode value="4.0.0" />
173
                   </extension>
174
                   <path value="Extension.extension.value[x]" />
175
                    <slicing>
176
                        <discriminator>
                            <type value="type" />
177
178
                            <path value="$this" />
179
                        </discriminator>
180
                        <rul>rules value="open" />
181
                   </slicing>
                   <min value="1" />
182
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/</pre>
       structuredefinition-standards-status">
191
                        <valueCode value="normative" />
192
                   </extension>
193
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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/</pre>
       StructureDefinition/KBV_PR_MIO_Vaccination_Practitionerrole_Addendum" />
203
                    </type>
204
               </element>
205
               <element id="Extension.extension:party.value[x]:valueReference.refe</pre>
       rence">
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
206
       structuredefinition-standards-status">
                        <valueCode value="normative" />
207
208
                    </extension>
209
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
216
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
217
                        <valueCode value="normative" />
218
                    </extension>
219
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       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</pre>
       tifier">
226
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
227
                        <valueCode value="normative" />
228
                    </extension>
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
229
       structuredefinition-normative-version">
230
                        <valueCode value="4.0.0" />
231
                    </extension>
232
                    <path value="Extension.extension.value[x].identifier" />
                    <max value="0" />
233
234
               </element>
235
               <element id="Extension.extension:party.value[x]:valueReference.disp</pre>
       lay">
236
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-standards-status">
237
                        <valueCode value="normative" />
238
                    </extension>
239
                    <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       structuredefinition-normative-version">
```

```
240
                       <valueCode value="4.0.0" />
241
                   </extension>
242
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
       elementdefinition-translatable">
243
                       <valueBoolean value="true" />
244
                   </extension>
                   <path value="Extension.extension.value[x].display" />
245
                   <max value="0" />
246
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/</pre>
       structuredefinition-standards-status">
254
                       <valueCode value="normative" />
255
                   </extension>
256
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
257
                       <valueCode value="4.0.0" />
258
                   </extension>
259
                   <path value="Extension.value[x]" />
260
                   <max value="0" />
               </element>
261
262
           </differential>
263
       </StructureDefinition>
```

KBV_EX_MIO_Vaccination_Entry_Type

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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" />
          <date value="2020-05-19" />
 6
 7
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 8
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                       <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      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</pre>
      definiert" />
                  <definition value="In diesem Profil soll der Typ des
34
      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/</pre>
      structuredefinition-standards-status">
42
                       <valueCode value="normative" />
43
                  </extension>
```

```
44
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
45
                       <valueCode value="4.0.0" />
46
                  </extension>
47
                   <path value="Extension.value[x]" />
48
                   <slicing>
49
                       <discriminator>
50
                           <type value="type" />
51
                           <path value="$this" />
52
                       </discriminator>
53
                       <rul>rules value="open" />
54
                   </slicing>
                   <min value="1" />
55
56
              </element>
57
              <element id="Extension.value[x]:valueCodeableConcept">
58
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
59
                       <valueCode value="normative" />
60
                  </extension>
61
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
62
                       <valueCode value="4.0.0" />
63
                  </extension>
64
                   <path value="Extension.valueCodeableConcept" />
65
                   <sliceName value="valueCodeableConcept" />
                   <min value="1" />
66
67
                   <type>
                       <code value="CodeableConcept" />
68
69
                   </type>
70
                   <br/>
<br/>
dinding>
71
                       <strength value="required" />
72
                       <valueSet value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_Entry_Type" />
73
                   </binding>
74
              </element>
75
              <element id="Extension.value[x]:valueCodeableConcept.coding">
76
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
77
                       <valueCode value="normative" />
78
                  </extension>
79
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
80
                       <valueCode value="4.0.0" />
81
                   </extension>
82
                   <path value="Extension.valueCodeableConcept.coding" />
83
                   <min value="1" />
84
                   <max value="1" />
85
              </element>
86
              <element id="Extension.value[x]:valueCodeableConcept.coding.system">
87
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
88
                       <valueCode value="normative" />
89
                  </extension>
90
                   <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
                       <valueCode value="4.0.0" />
91
92
93
                   <path value="Extension.valueCodeableConcept.coding.system" />
94
                   <min value="1" />
95
              </element>
```

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

KBV_EX_MIO_Vaccination_Follow_Up

```
1
      <StructureDefinition xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/StructureDefinition/</pre>
      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</pre>
      (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" />
          <abstract value="false" />
16
17
          <context>
18
              <type value="element" />
19
              <expression value="Immunization.protocolApplied" />
20
21
          <type value="Extension" />
22
          <baseDefinition value="http://hl7.org/fhir/StructureDefinition/</pre>
      Extension" />
23
          <derivation value="constraint" />
24
          <differential>
25
              <element id="Extension">
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
26
      structuredefinition-standards-status">
27
                       <valueCode value="normative" />
28
                  </extension>
29
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
30
                      <valueCode value="4.0.0" />
31
                  </extension>
32
                  <path value="Extension" />
33
                  <short value="Folgetermin" />
                  <definition value="In diesem Profil kann ein Terminvorschlag
34
      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/</pre>
      KBV_EX_MIO_Vaccination_Follow_Up" />
39
              </element>
              <element id="Extension.value[x]">
40
41
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-standards-status">
42
                       <valueCode value="normative" />
43
                  </extension>
44
                  <extension url="http://hl7.org/fhir/StructureDefinition/</pre>
      structuredefinition-normative-version">
```

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

KBV_VS_MIO_Vaccination_Age_Groups

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      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)" />
          <description value="Dieses Valueset enthält die Codes zur Beschreibung
 9
     von Altersklassen/Lebensphasen" />
10
          <immutable value="false" />
11
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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 <ValueSet xmlns="http://hl7.org/fhir"> 1 2 <url value="https://fhir.kbv.de/ValueSet/</pre> 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" /> <experimental value="false" /> 6 7 <publisher value="Kassenärztliche Bundesvereinigung (KBV)" /> 8 <immutable value="false" /> 9 <compose> 10 <include> 11 <system value="https://fhir.kbv.de/CodeSystem/</pre> KBV_CS_MIO_Vaccination_Technical_Entry_Type" /> 12 </include> 13 </compose> 14 </ValueSet>

46. KBV_VS_MIO_VACCINATION_IMMUNIZATIONORIGINCODES

KBV_VS_MIO_Vaccination_ImmunizationOriginCodes

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
 3
          <identifier>
              <use value="official" />
 4
 5
              <system value="http://art-decor.org/ns/oids/vs" />
 6
              <value value="1.2.276.0.76.3.1.1.5.5.1.11.7" />
 7
          </identifier>
 8
          <version value="2019-09-30T13:22:56" />
 9
          <name value="KBV_VS_MIO_Vaccination_ImmunizationOriginCodes" />
10
          <title value="ImmunizationOriginCodes" />
11
          <status value="active" />
12
          <experimental value="false" />
13
          <publisher value="Kassenärztliche Bundesvereinigung" />
14
          <description value="ImmunizationOriginCodes" />
15
          <immutable value="false" />
16
          <compose>
17
              <include>
                  <system value="http://hl7.org/fhir/ValueSet/immunization-</pre>
18
      origin" />
19
                  <concept>
20
                      <code value="recall" />
21
                      <display value="Parent/Guardian/Patient Recall" />
22
                  </concept>
23
                  <concept>
24
                      <code value="record" />
25
                      <display value="Written Record" />
26
                  </concept>
27
                  <concept>
28
                      <code value="provider" />
29
                      <display value="Other Provider" />
30
                  </concept>
31
              </include>
          </compose>
32
33
      </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/</pre>
      KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" />
 3
          <identifier>
 4
              <use value="official" />
              <system value="http://art-decor.org/ns/oids/vs" />
 5
 6
              <value value="1.2.276.0.76.3.1.1.5.5.1.11.9" />
 7
          </identifier>
          <version value="1.00.000" />
 8
 9
          <name value="KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence" /</pre>
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</pre>
      der Titerbestimmungen im Immunisierungsumfeld" />
15
          <immutable value="false" />
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
16
      (KBV). All rights reserved." />
17
          <compose>
18
              <include>
19
                   <system value="http://loinc.org" />
20
                   <version value="2.67" />
21
                  <concept>
                       <code value="22600-1" />
22
23
                       <display value="Varicella zoster virus Ab [Presence] in</pre>
      Serum" />
24
                   </concept>
25
                   <concept>
26
                       <code value="26643-7" />
27
                       <display value="Clostridium tetani toxoid Ab [Presence] in</pre>
      Serum" />
28
                   </concept>
29
                   <concept>
30
                       <code value="30546-6" />
31
                       <display value="Polio virus 1 Ab [Presence] in Serum" />
32
                   </concept>
33
                   <concept>
                       <code value="31998-8" />
34
35
                       <display value="Bordetella pertussis Ab [Presence] in</pre>
      Serum" />
                  </concept>
36
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</pre>
      Serum" />
44
                   </concept>
45
                  <concept>
46
                       <code value="46197-0" />
```

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

KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Snomed" />
 3
          <identifier>
 4
              <use value="official" />
              <system value="http://art-decor.org/ns/oids/vs" />
 5
 6
              <value value="1.2.276.0.76.3.1.1.5.5.1.11.9" />
 7
          </identifier>
          <version value="1.00.000" />
 8
 9
          <name value="KBV_VS_MIO_Vaccination_Lab_ImmuneReaction_Test_Presence_Sn</pre>
      omed" />
         <title value="Titerbezeichnung" />
10
11
          <status value="active" />
12
          <experimental value="false" />
13
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
14
          <description value="Dieses Valueset enthält die Codes zur Beschreibung</pre>
     der Titerbestimmungen im Immunisierungsumfeld" />
15
          <immutable value="false" />
16
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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/</pre>
     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) :</pre>
      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" />
                      <display value="Observable entity (observable entity) :</pre>
27
      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>
```

```
30
                      <code value="363787002:370134009=123029007,246093002=120856"
     009,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
31
                      <display value="Observable entity (observable entity) :</pre>
     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)" />
32
                  </concept>
33
                  <concept>
34
                      <code value="363787002:246093002=120662001,370134009=123029"
     007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
35
                      <display value="Observable entity (observable entity):</pre>
     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)" />
36
                  </concept>
37
                  <concept>
38
                      <code value="363787002:246093002=120721000,370134009=123029</pre>
     007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
39
                      <display value="Observable entity (observable entity):</pre>
     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)" />
40
                  </concept>
41
                  <concept>
42
                      <code value="363787002:370134009=123029007,246093002=120871
     008,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
43
                      <display value="Observable entity (observable entity) :</pre>
     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)" />
44
                  </concept>
45
                  <concept>
46
                      <code value="363787002:370134009=123029007,246093002=120969</pre>
     007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
47
                      <display value="Observable entity (observable entity) :</pre>
     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>
48
49
                  <concept>
50
                      <code value="363787002:246093002=120975003,370134009=123029"
     007,370132008=117363000,704319004=50863008,704318007=705057003,704327008=11
     9364003" />
```

```
51
                     <display value="Observable entity (observable entity):</pre>
     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"
     364003" />
55
                     <display value="Observable entity (observable entity) :</pre>
     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</pre>
     07,370132008=117363000,704319004=50863008,704318007=705057003,704327008=119
     364003" />
59
                     <display value="Observable entity (observable entity) :</pre>
     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>
                     <code value="363787002:370134009=123029007,370132008=117363"
62
     000,704319004=50863008,246093002=259834004,704318007=705057003,704327008=11
     9364003" />
63
                     <display value="Observable entity (observable entity) :</pre>
     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" />
                     <display value="Observable entity (observable entity):</pre>
67
     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" />
                     <display value="Mantoux: positive (finding)" />
71
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</pre>
      (finding)" />
80
                  </concept>
81
                  <concept>
82
                      <code value="440661002" />
83
                      <display value="Interferon gamma assay negative</pre>
      (finding)" />
84
                  </concept>
85
              </include>
86
          </compose>
87
      </ValueSet>
```

KBV_VS_MIO_Vaccination_Lab_Titer_Immunity

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1
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 2
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 3
          <identifier>
 4
              <use value="official" />
 5
              <system value="http://art-decor.org/ns/oids/vs" />
 6
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 7
          </identifier>
 8
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          <name value="KBV_VS_MIO_Vaccination_Lab_Titer_Immunity" />
 9
10
          <title value="Titer Immunität" />
11
          <status value="active" />
12
          <experimental value="false" />
13
          <publisher value="Kassenärztliche Bundesvereinigung" />
14
          <description value="Das Valueset</pre>
      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</pre>
      (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
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19
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20
                  <version value="http://snomed.info/sct/900000000000207008/</pre>
      version/20200131" />
21
                  <concept>
22
                      <code value="365861007:363713009=260385009" />
23
                      <display value="Finding of immune status (finding) : Has</pre>
      interpretation (attribute) = Negative (qualifier value)" />
24
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25
                  <concept>
26
                      <code value="365861007:363713009=10828004" />
27
                      <display value="Finding of immune status (finding) : Has</pre>
      interpretation (attribute) = Positive (qualifier value)" />
28
                  </concept>
29
              </include>
30
          </compose>
31
      </ValueSet>
```

KBV_VS_MIO_Vaccination_Practitioner_Function

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1
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 2
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 3
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          <name value="KBV_VS_MIO_Vaccination_Practitioner_Function" />
 4
 5
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 6
 7
          <experimental value="false" />
 8
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
 9
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      der Funktionen/Rollen des Behandelnden" />
10
          <immutable value="false" />
11
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (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
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14
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15
                  <version value="http://snomed.info/sct/900000000000207008/</pre>
      version/20200131" />
16
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17
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18
                      <display value="Medical doctor (occupation)" />
19
                  </concept>
20
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21
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22
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23
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24
25
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26
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27
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28
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29
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30
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31
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32
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33
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35
36
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37
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38
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39
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40
                      <display value="FA Anästhesiologie" />
41
                  </concept>
42
                  <concept>
43
                      <code value="030" />
44
                      <display value="FA Augenheilkunde" />
```

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45
                   </concept>
 46
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 47
                       <code value="050" />
 48
                        <display value="FA Frauenheilkunde und Geburtshilfe" />
 49
                   </concept>
 50
                   <concept>
 51
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 52
                        <display value="FA Hals-, Nasen-, Ohrenheilkunde" />
 53
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 54
                   <concept>
 55
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                        <display value="FA Haut- und Geschlechtskrankheiten" />
 56
 57
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 58
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 59
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 60
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 61
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 62
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                        <code value="091" />
 63
 64
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 65
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 66
                   <concept>
                        <code value="093" />
 67
 68
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 69
                   </concept>
 70
                   <concept>
 71
                       <code value="102" />
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 72
       -psychotherapie" />
 73
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 74
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 75
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 76
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 77
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 78
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 79
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 80
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 81
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 82
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 83
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 84
 85
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 86
                   <concept>
                       <code value="147" />
 87
                        <display value="FA Psychiatrie und Psychotherapie" />
 88
 89
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 90
                   <concept>
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 91
 92
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 93
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 94
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 95
 96
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 97
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 98
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 99
100
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101
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102
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103
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104
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106
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107
108
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109
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110
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111
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113
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114
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116
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117
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118
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120
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121
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122
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123
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124
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125
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126
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127
128
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129
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130
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131
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132
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133
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134
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                        <code value="271" />
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136
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152
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153
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154
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155
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156
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157
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158
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159
160
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163
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164
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165
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166
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167
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168
                        <display value="FA Herzchirurgie" />
169
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170
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171
172
                        <display value="FA Humangenetik" />
173
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174
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                        <code value="330" />
175
176
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       Medizin" />
177
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178
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179
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180
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183
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184
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185
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186
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187
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188
                        <display value="Fachzahnarzt für Kieferchirurgie (§ 6 Abs.</pre>
       1 BMV)" />
189
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190
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191
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192
                        <display value="Fachzahnarzt für theoretisch-experimentelle</pre>
       Medizin" />
193
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194
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195
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196
                        <display value="FA Gefäßchirurgie" />
197
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198
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199
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200
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201
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202
                    <concept>
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203
204
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205
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206
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207
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208
                        <display value="FA Visceralchirurgie" />
209
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213
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215
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216
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217
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218
                   <concept>
219
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221
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222
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223
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224
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225
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226
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227
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228
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229
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       und Diabetologie" />
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234
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236
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238
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240
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244
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245
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247
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248
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251
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252
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257
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258
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260
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261
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262
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263
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264
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265
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266
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267
268
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       Infektionsepidemiologie" />
269
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271
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272
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273
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274
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275
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276
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277
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278
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280
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283
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284
285
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286
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297
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298
                        <code value="4" />
299
                        <display value="Medizinischer Fachangestellter" />
300
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301
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302
303
                        <display value="Apotheker /Fachapotheker" />
304
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306
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307
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308
                    </concept>
309
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311
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       PTA" />
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313
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314
315
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       Angestellter" />
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317
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319
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320
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321
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322
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323
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324
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325
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326
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327
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328
                    </concept>
329
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330
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331
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334
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335
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336
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337
338
                       <display value="TG Kindernephrologie" />
339
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340
                   <concept>
                       <code value="097" />
341
                       <display value="TG Kinder-Lungen- u. Bronchialheilkunde" />
342
343
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344
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346
                       <display value="FA Nervenheilkunde" />
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351
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352
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362
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364
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365
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366
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367
                   </concept>
368
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369
                       <code value="536" />
370
                       <display value="SP Kinder-Endokrinologie und
       -Diabetologie" />
                   </concept>
371
372
                   <concept>
373
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374
                       <display value="SP Kinder-Gastroenterologie" />
375
                   </concept>
376
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377
           </compose>
378
       </ValueSet>
```

KBV_VS_MIO_Vaccination_Prior_Disease

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1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
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 4
 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</pre>
      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>
                  <system value="http://snomed.info/sct" />
14
15
                  <version value="http://snomed.info/sct/900000000000207008/</pre>
      version/20200131" />
16
                  <concept>
17
                      <code value="40733004" />
                      <display value="Infectious disease (disorder)" />
18
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)" /</pre>
     >
31
                  </concept>
32
                  <concept>
33
                      <code value="61977001" />
34
                      <display value="Chronic type B viral hepatitis</pre>
      (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)" />
```

```
43
                  </concept>
44
                  <concept>
45
                      <code value="36653000" />
46
                      <display value="Rubella (disorder)" />
47
                  </concept>
48
                  <concept>
49
                      <code value="36989005" />
50
                      <display value="Mumps (disorder)" />
51
                  </concept>
52
                  <concept>
53
                      <code value="14189004" />
54
                      <display value="Measles (disorder)" />
55
                  </concept>
56
                  <concept>
57
                      <code value="38907003" />
58
                      <display value="Varicella (disorder)" />
59
                  </concept>
60
              </include>
61
          </compose>
62
      </ValueSet>
```

KBV_VS_MIO_Vaccination_Prior_Disease_ICD

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      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>
          <version value="1.00.000" />
 8
 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</pre>
      der vorhergegangenen Krankheiten, die zur Immunisierung geführt haben im
     ICD Codesystem" />
15
          <immutable value="false" />
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
16
      (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>
                      <code value="A37.-" />
22
23
                      <display value="Keuchhusten" />
24
                  </concept>
25
                  <concept>
26
                      <code value="B26.-" />
27
                      <display value="Mumps" />
28
                  </concept>
29
                  <concept>
                      <code value="B05.-" />
30
31
                      <display value="Masern" />
32
                  </concept>
33
                  <concept>
                       <code value="B01.-" />
34
35
                      <display value="Varizellen [Windpocken]" />
36
                  </concept>
37
                  <concept>
38
                      <code value="B06.-" />
39
                      <display value="Röteln [Rubeola] [Rubella]" />
40
                  </concept>
41
                  <concept>
                      <code value="B15.-" />
42
43
                      <display value="Akute Virushepatitis A" />
44
                  </concept>
45
                  <concept>
                      <code value="B16.-" />
46
47
                      <display value="Akute Virushepatitis B" />
48
                  </concept>
49
                  <concept>
50
                      <code value="B18.0" />
```

```
51
                      <display value="Chronische Virushepatitis B mit Delta-</pre>
      Virus" />
52
                  </concept>
53
                  <concept>
54
                      <code value="B18.1-" />
55
                      <display value="Chronische Virushepatitis B ohne Delta-
     Virus" />
56
                  </concept>
57
                  <concept>
58
                      <code value="A84.1" />
59
                      <display value="Mitteleuropäische Enzephalitis, durch
      Zecken übertragen" />
60
                  </concept>
61
                  <concept>
62
                      <code value="A95.-" />
63
                      <display value="Gelbfieber" />
64
                  </concept>
              </include>
65
66
          </compose>
67
      </ValueSet>
```

KBV_VS_MIO_Vaccination_Source_of_Information

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_Source_of_Information" />
 3
          <version value="1.00.000" />
          <name value="KBV_VS_MIO_Vaccination_Source_of_Information" />
 4
 5
          <title value="Quelle der Information" />
          <status value="active" />
 6
 7
          <experimental value="false" />
 8
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
          <description value="Dieses ValueSet enthält die Codes zur Beschreibung
 9
     der Quelle der Information" />
10
          <immutable value="false" />
11
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
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      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" />
                  <version value="http://snomed.info/sct/90000000000207008/</pre>
15
      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>
```

KBV_VS_MIO_Vaccination_TargetDisease

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_TargetDisease" />
 3
          <version value="1.00.000" />
          <name value="KBV_VS_MIO_Vaccination_TargetDisease" />
 4
 5
          <title value="TargetDisease" />
 6
          <status value="active" />
 7
          <experimental value="false" />
 8
          <publisher value="Kassenärztliche Bundesvereinigung (KBV)" />
          <description value="Dieses Valueset enthält die Codes zur Beschreibung
 9
      der Krankheiten gegen die geimpft werden als SNOMED CT Code" />
10
          <immutable value="false" />
11
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
      (KBV). All rights reserved. Hinweis: This material includes SNOMED Clinical
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      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" />
                  <version value="http://snomed.info/sct/90000000000207008/</pre>
15
      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" />
                      <display value="Rhesus isoimmunization due to anti-D
26
      (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</pre>
      (disorder)" />
39
                  </concept>
40
                  <concept>
41
                      <code value="186431008" />
42
                      <display value="Clostridioides difficile infection"
      (disorder)" />
```

```
43
                   </concept>
 44
                   <concept>
                        <code value="67924001" />
 45
                        <display value="Smallpox" />
 46
 47
                   </concept>
 48
                   <concept>
 49
                        <code value="240532009" />
 50
                        <display value="human papilomavirus infection" />
 51
                   </concept>
 52
                   <concept>
 53
                        <code value="16541001" />
                        <display value="Yellow fever" />
 54
 55
                   </concept>
 56
                    <concept>
 57
                        <code value="4740000" />
 58
                        <display value="Herpes Zoster" />
 59
                   </concept>
 60
                   <concept>
                        <code value="38907003" />
 61
 62
                        <display value="Varicella" />
 63
                   </concept>
 64
                   <concept>
                        <code value="36653000" />
 65
 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" />
                        <display value="Measles" />
 82
 83
                   </concept>
 84
                    <concept>
                        <code value="40468003" />
 85
 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" />
                        <display value="Japanese encephalitis virus disease" />
 98
 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" />
                        <display value="Tetanus" />
114
115
                   </concept>
116
                   <concept>
117
                        <code value="16814004" />
118
                        <display value="Pneumococcal infectious disease" />
119
                   </concept>
120
                   <concept>
                        <code value="58750007" />
121
122
                        <display value="Plague" />
123
                   </concept>
124
                   <concept>
125
                        <code value="27836007" />
126
                        <display value="Pertussis" />
127
                   </concept>
128
                   <concept>
                       <code value="23511006" />
129
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>
```

KBV_VS_MIO_Vaccination_TargetDisease_AlphaID

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      KBV_VS_MIO_Vaccination_TargetDisease_AlphaID" />
 3
          <identifier>
 4
              <use value="official" />
              <system value="http://art-decor.org/ns/oids/vs" />
 5
 6
              <value value="1.2.276.0.76.3.1.1.5.5.1.11.8" />
 7
          </identifier>
          <version value="1.00.000" />
 8
 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</pre>
      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" />
                  <version value="alphaid2020" />
20
21
                  <concept>
22
                      <code value="I13965" />
23
                      <display value="Fleckfieber" />
24
                  </concept>
25
                  <concept>
                      <code value="I97396" />
26
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</pre>
      [RS-Viren]" />
36
                  </concept>
37
                  <concept>
                      <code value="I116469" />
38
39
                      <display value="Infektion durch Clostridium difficile" />
40
                  </concept>
41
                  <concept>
42
                      <code value="I11467" />
                      <display value="Haemophilus-influenzae-Infektion" />
43
44
                  </concept>
45
                  <concept>
                      <code value="I13614" />
46
47
                      <display value="Cholera" />
48
                  </concept>
49
                  <concept>
```

```
50
                        <code value="I21515" />
 51
                        <display value="Infektion durch humanes Papillomavirus
       [HPV]" />
 52
                   </concept>
 53
                    <concept>
 54
                        <code value="I27534" />
 55
                        <display value="Infektion durch Meningokokken" />
 56
                    </concept>
 57
                    <concept>
 58
                        <code value="I15008" />
 59
                        <display value="Pest" />
 60
                   </concept>
 61
                    <concept>
                        <code value="I14609" />
 62
 63
                        <display value="Masern" />
 64
                    </concept>
 65
                    <concept>
 66
                        <code value="I23502" />
 67
                        <display value="Diphtherie" />
 68
                    </concept>
 69
                    <concept>
 70
                        <code value="I23483" />
                        <display value="FSME [Zentraleuropäische Frühsommer-</pre>
 71
       Meningoenzephalitis]" />
 72
                   </concept>
 73
                    <concept>
 74
                        <code value="I14036" />
 75
                        <display value="Gelbfieber" />
 76
                    </concept>
 77
                    <concept>
 78
                        <code value="I15771" />
 79
                        <display value="Hepatitis A" />
 80
                   </concept>
 81
                    <concept>
 82
                        <code value="I15777" />
 83
                        <display value="Hepatitis B" />
 84
                   </concept>
 85
                    <concept>
 86
                        <code value="I23144" />
 87
                        <display value="Herpes zoster" />
 88
                    </concept>
 89
                    <concept>
                        <code value="I14083" />
 90
 91
                        <display value="Grippe [Influenza]" />
 92
                    </concept>
 93
                    <concept>
 94
                        <code value="I1064" />
                        <display value="Japanische Enzephalitis" />
 95
 96
                    </concept>
 97
                    <concept>
                        <code value="I14685" />
 98
 99
                        <display value="Milzbrand" />
100
                   </concept>
101
                    <concept>
102
                        <code value="I14707" />
                        <display value="Mumps" />
103
104
                    </concept>
105
                    <concept>
106
                        <code value="I14368" />
107
                        <display value="Pertussis" />
```

```
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" />
                       <display value="Poliomyelitis" />
119
120
                   </concept>
121
                   <concept>
                       <code value="I110761" />
122
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>
                       <code value="I22407" />
134
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>
```

KBV_VS_MIO_Vaccination_Vaccine_List

```
1
      <ValueSet xmlns="http://hl7.org/fhir">
 2
          <url value="https://fhir.kbv.de/ValueSet/</pre>
      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</pre>
      Beschreibung der Impfstoffe als Snomed-Code" />
10
          <immutable value="false" />
11
          <copyright value="Copyright © [2020], Kassenärztliche Bundesvereinigung</pre>
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      appropriate SNOMED CT Affiliate license." />
12
          <compose>
13
              <include>
14
                   <system value="http://snomed.info/sct" />
15
                   <version value="http://snomed.info/sct/900000000000207008/</pre>
      version/20200131" />
16
                   <concept>
17
                       <code value="421245007" />
18
                       <display value="Diphtheria + pertussis + tetanus vaccine</pre>
      (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"</pre>
      (product)" />
31
                   </concept>
32
                   <concept>
33
                       <code value="787859002:127489000=412300006" />
34
                       <display value="Vaccine product (product): Has active</pre>
      ingredient (attribute) = Rubella and mumps vaccine (substance)" />
35
                   </concept>
36
                   <concept>
37
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       \{127489000=396424005\} \{127489000=768365004\} \{127489000=768366003\} " \ / > 127489000=768366003\} \}
```

```
38
                      <display value="Vaccine product (product): { Has active</pre>
      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
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40
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41
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42
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      poliomyelitis + recombinant hepatitis B virus vaccine (product)" />
43
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44
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45
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      {127489000=396424005}" />
46
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      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
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50
                      <display value="Hepatitis A+typhoid vaccine (product)" />
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53
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      poliomyelitis + recombinant hepatitis B virus + recombinant haemophilus
      influenzae type B vaccine (product)" />
55
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56
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57
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58
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62
      ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
      ingredient (attribute) = Hepatitis B virus vaccine (substance) } { Has
      active ingredient (attribute) = Tetanus vaccine (substance) }" />
63
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64
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65
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66
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67
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68
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69
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70
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71
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       (substance) }" />
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       ingredient (attribute) = Diphtheria vaccine (substance) } { Has active
       ingredient (attribute) = Rubella vaccine (substance) } { Has active
       ingredient (attribute) = Tetanus vaccine (substance) }" />
 79
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 85
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 88
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 90
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 92
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 94
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 95
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 96
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 98
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       (product)" />
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       (substance) }" />
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117
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       (substance) } { Has active ingredient (attribute) = Pertussis vaccine
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158
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162
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174
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242
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246
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250
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252
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269
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272
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KBV_VS_MIO_Vaccination_Vaccine_List_ATC

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 7
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 9
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13
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14
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15
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16
      (KBV)." />
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227
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228
                   </concept>
229
                    <concept>
230
                        <code value="J07BA02" />
231
                        <display value="Encephalitis, japanische, inaktiviert,</pre>
       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
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241
                    <concept>
242
                        <code value="J07BB01" />
243
                        <display value="Influenza, inaktiviert, ganzes Virus" />
244
                   </concept>
245
                    <concept>
                        <code value="J07BB02" />
246
247
                        <display value="Influenza, inaktiviert, Spaltvirus oder</pre>
       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>
                       <code value="J07BC03" />
266
267
                       <display value="Hepatitis A, gereinigtes Antigen" />
268
                   </concept>
269
                   <concept>
                       <code value="J07BC20" />
270
                       <display value="Kombinationen" />
271
272
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273
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274
275
                       <display value="Masern-Impfstoffe" />
276
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277
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278
                       <code value="J07BD01" />
279
                       <display value="Masern, lebend abgeschwächt" />
280
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281
282
                       <code value="J07BD51" />
283
                       <display value="Masern, Kombinationen mit Mumps, lebend
       abgeschwächt" />
284
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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" />
                       <display value="Mumps-Impfstoffe" />
299
300
                   </concept>
301
                   <concept>
                       <code value="J07BE01" />
302
                        <display value="Mumps, lebend abgeschwächt" />
303
304
                   </concept>
305
                   <concept>
                       <code value="J07BF" />
306
307
                       <display value="Poliomyelitis-Impfstoffe" />
308
                   </concept>
309
                   <concept>
                       <code value="J07BF01" />
310
311
                       <display value="Poliomyelitis, oral, monovalent, lebend
       abgeschwächt" />
312
                   </concept>
313
                   <concept>
314
                       <code value="J07BF02" />
315
                       <display value="Poliomyelitis, oral, trivalent, lebend</pre>
       abgeschwächt" />
316
                   </concept>
```

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

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373
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374
375
                        <display value="Gelbfieber-Impfstoffe" />
376
                    </concept>
377
                    <concept>
378
                        <code value="J07BL01" />
379
                        <display value="Gelbfieber, lebend abgeschwächt" />
380
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381
                    <concept>
382
                        <code value="J07BM" />
383
                        <display value="Papillomvirus-Impfstoffe" />
384
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385
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386
                        <code value="J07BM01" />
387
                        <display value="Humaner-Papillomvirus-Impfstoff (Typen</pre>
       6,11,16,18)" />
388
                    </concept>
389
                    <concept>
390
                        <code value="J07BM02" />
391
                        <display value="Humaner-Papillomvirus-Impfstoff (Typen</pre>
       16,18)" />
392
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393
                    <concept>
394
                        <code value="J07BM03" />
395
                        <display value="Humaner-Papillomvirus-Impfstoff (Typen</pre>
       6,11,16,18,31,33,45,52,58)" />
396
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397
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398
                        <code value="J07BX" />
399
                        <display value="Andere virale Impfstoffe" />
400
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401
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402
                        <code value="J07BX01" />
403
                        <display value="Pocken-Impfstoff, lebend, modifiziert" />
404
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405
                    <concept>
406
                        <code value="J07CA" />
407
                        <display value="Bakterielle und virale Impfstoffe,</pre>
       kombiniert" />
408
                    </concept>
409
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410
                        <code value="J07CA01" />
411
                        <display value="Diphtherie-Poliomyelitis-Tetanus" />
412
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413
                    <concept>
414
                        <code value="J07CA02" />
415
                        <display value="Diphtherie-Pertussis-Poliomyelitis-</pre>
       Tetanus" />
416
                    </concept>
417
                    <concept>
                        <code value="J07CA03" />
418
419
                        <display value="Diphtherie-Röteln-Tetanus" />
420
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421
                    <concept>
422
                        <code value="J07CA04" />
423
                        <display value="Haemophilus influenzae B und</pre>
       Poliomyelitis" />
424
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425
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426
                        <code value="J07CA05" />
```

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

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478
                       <code value="J06BB01" />
479
                       <display value="Anti-D(rh)-Immunglobulin" />
480
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481
                   <concept>
482
                       <code value="J06BB02" />
483
                       <display value="Tetanus-Immunglobulin" />
484
                   </concept>
485
                   <concept>
                       <code value="J06BB03" />
486
                       <display value="Varicella/Zoster-Immunglobulin" />
487
488
                   </concept>
489
                   <concept>
490
                       <code value="J06BB04" />
491
                       <display value="Hepatitis-B-Immunglobulin" />
492
                   </concept>
493
                   <concept>
494
                       <code value="J06BB05" />
495
                       <display value="Tollwut-Immunglobulin" />
496
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497
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498
                       <code value="J06BB09" />
499
                       <display value="Cytomegalievirus-Immunglobulin" />
500
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501
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502
                       <code value="J06BB16" />
503
                       <display value="Palivizumab" />
504
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505
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506
                       <code value="J06BB21" />
507
                       <display value="Bezlotoxumab" />
508
                   </concept>
509
               </include>
510
           </compose>
511
       </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.