

eHealth Praktikum 3

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Task 2

Anfrage:

```
{
  "resourceType" : "Patient",
  "name": [{
    "use": "usual",
    "text": "Franz Muster"
  }],
  "gender": "male",
  "address": [{
    "use": "home",
    "type": "both",
    "text": "Leidensweg 10, 9876 Specimendorf"
  }],
  "birthDate": "1967-10-02"
}
```

Validation:

Success...validating c:\Users\Lucca\Documents\Repos\EHT\Lab5_Tasks\Task2.json: error:0 warn:0
info:1 Information @ ?? : All OK

Task 3

Anfrage:

POST https://vonk.fire.ly/Patient/ HTTP/1.1
content-type: application/json

```
{
  "resourceType" : "Patient",
  "identifier" : [{
    "use" : "usual",
    "value" : "Abc123",
  }],
  "name": [{
    "use": "usual",
    "text": "Franz Muster"
  }],
  "gender": "male",
  "address": [{
    "use": "home",
    "type": "both",
  }],
}
```

```

    "text": "Leidensweg 10, 9876 Specimendorf"
  }],
  "birthDate": "1967-10-02"
}

```

Response

```

HTTP/1.1 201 Created Server: nginx/1.19.1 Date: Wed, 14 Oct 2020 07:55:27 GMT
Content-Type: application/fhir+json; fhirVersion=3.0; charset=utf-8 Content-
Length: 538 Connection: close Last-
Modified: Wed, 14 Oct 2020 07:55:27 GMT ETag: W/"e40801eb-66c3-4433-8968-
e7f2d10e49ad" Location: https://vonk.fire.ly/Patient/b720bbfc-1ad7-4eaa-89cc-
60daf261367c/_history/e40801eb-66c3-4433-8968-e7f2d10e49ad Request-
Context: appId=cid-v1:36fd023f-c59d-4b79-903a-69140e19211c Strict-Transport-
Security: max-
age=15724800; includeSubDomains { "resourceType": "Patient", "identifier":
[ { "use": "usual", "value": "Abc123" } ], "name": [ { "use": "usual",
"text": "Franz Muster" } ], "gender": "male", "address": [ { "use": "h
ome", "type": "both", "text": "Leidensweg 10, 9876 Specimendorf" } ], "bi
rthDate": "1967-10-02", "id": "b720bbfc-1ad7-4eaa-89cc-
60daf261367c", "meta": { "versionId": "e40801eb-66c3-4433-8968-
e7f2d10e49ad", "lastUpdated": "2020-10-14T07:55:27.052+00:00" } }

```

Task 4

Link to website: https://vonk.fire.ly/Patient/b720bbfc-1ad7-4eaa-89cc-60daf261367c/_history/e40801eb-66c3-4433-8968-e7f2d10e49ad

Response:

```

<?xml version="1.0"?>
<Patient xmlns="http://hl7.org/fhir"><id value="b720bbfc-1ad7-4eaa-89cc-
60daf261367c"/><meta><versionId value="e40801eb-66c3-4433-8968-
e7f2d10e49ad"/><lastUpdated value="2020-10-
14T07:55:27.052+00:00"/></meta><identifier><use value="usual"/><value
value="Abc123"/></identifier><name><use value="usual"/><text value="Franz
Muster"/></name><gender value="male"/><birthDate value="1967-10-02"/>
<address><use value="home"/><type value="both"/><text value="Leidensweg 10, 9876
Specimendorf"/></address>
</Patient>

```

Task 5

Request

```

POST https://vonk.fire.ly/Patient/b720bbfc-1ad7-4eaa-89cc-
60daf261367c/$validate HTTP/1.1
content-type: application/json

{
  "resourceType" : "Patient",

```

```

    "identifier" : [{
      "use" : "usual",
      "value" : "Abc123",
    }],
    "name": [{
      "use": "usual",
      "text": "Franz Muster"
    }],
    "gender": "male",
    "address": [{
      "use": "home",
      "type": "both",
      "text": "Leidensweg 10, 9876 Specimendorf"
    }],
    "birthDate": "1967-10-02"
  }
}

```

Response:

```

HTTP/1.1 200 OK Server: nginx/1.19.1 Date: Wed, 14 Oct 2020 08:09:40 GMT Conte
nt-Type: application/fhir+json; fhirVersion=3.0; charset=utf-8 Content-
Length: 359 Connection: close Last-
Modified: Wed, 14 Oct 2020 08:09:40 GMT ETag: W/"399f1de0-8183-418c-bfae-
9b9719f7c336" Request-Context: appId=cid-v1:36fd023f-c59d-4b79-903a-
69140e19211c Strict-Transport-Security: max-
age=15724800; includeSubDomains { "resourceType": "OperationOutcome", "id": "f
08a8207-d8f0-41ad-991f-9fde9871dc4f", "meta": { "versionId": "399f1de0-8183-
418c-bfae-9b9719f7c336", "lastUpdated": "2020-10-
14T08:09:40.172+00:00" }, "issue": [ { "severity": "information", "code": "inf
ormational", "diagnostics": "The operation was successful" } ] }

```

Task 6

Request:

```

POST https://vonk.fire.ly/Observation/ HTTP/1.1
content-type: application/json

{
  "resourceType": "Observation",
  "id": "b720bbfc-1ad7-4eaa-89cc-60daf261367c",
  "text": {
    "status": "generated",
    "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><p><b>Generated Narrat
ive with Details</b></p><p><b>id</b>: example</p><p><b>status</b>: final</p><p
><b>category</b>: Vital Signs <span>(Details : {http://terminology.hl7.org/Cod
eSystem/observation-category code 'vital-
signs' = 'Vital Signs', given as 'Vital Signs'})</span></p><p><b>code</b>: Bod
y Weight <span>(Details : {LOINC code '29463-
7' = 'Body weight', given as 'Body Weight'}; {LOINC code '3141-
9' = 'Body weight Measured', given as 'Body weight Measured'}; {SNOMED CT code

```

```

'27113001' = 'Body weight', given as 'Body weight'}; {http://acme.org/devices/clinical-codes code 'body-weight' = 'body-weight', given as 'Body Weight'}}</span></p><p><b>subject</b>: <a>Patient/example</a></p><p><b>encounter</b>: <a>Encounter/example</a></p><p><b>effective</b>: 28/03/2016</p><p><b>value</b>: 185 lbs<span> (Details: UCUM code [lb_av] = 'lb_av')</span></p></div>"
},
"status": "final",
"category": [
  {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/observation-category",
        "code": "vital-signs",
        "display": "Vital Signs"
      }
    ]
  }
],
"code": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "29463-7",
      "display": "Body Weight"
    },
    {
      "system": "http://loinc.org",
      "code": "3141-9",
      "display": "Body weight Measured"
    },
    {
      "system": "http://snomed.info/sct",
      "code": "27113001",
      "display": "Body weight"
    },
    {
      "system": "http://acme.org/devices/clinical-codes",
      "code": "body-weight",
      "display": "Body Weight"
    }
  ]
},
"subject": {
  "reference": "Patient/example"
},
"effectiveDateTime": "2020-10-14",
"valueQuantity": {
  "value": 200,

```

```
"unit": "lbs",
"system": "http://unitsofmeasure.org",
"code": "[lb_av]"
}
}
```

Response:

Generated Narrative with Details

id: example

status: final

category: Vital Signs (Details : {http://terminology.hl7.org/CodeSystem/observation-category code 'vital-signs' = 'Vital Signs', given as 'Vital Signs'})

code: Body Weight (Details : {LOINC code '29463-7' = 'Body weight', given as 'Body Weight'}; {LOINC code '3141-9' = 'Body weight Measured', given as 'Body weight Measured'}; {SNOMED CT code '27113001' = 'Body weight', given as 'Body weight'}; {http://acme.org/devices/clinical-codes code 'body-weight' = 'body-weight', given as 'Body Weight'})

subject: Patient/example

encounter: Encounter/example

effective: 28/03/2016

value: 185 lbs (Details: UCUM code [lb_av] = 'lb_av')

Task 7

Request:

```
GET http://hapi.fhir.org/baseR4/Patient/_search?birthdate=ge1960-01-01&birthdate=le1980-12-31 HTTP/1.1
```

Response:

```
HTTP/1.1 200 OK
Server: nginx/1.14.0 (Ubuntu)
Date: Wed, 14 Oct 2020 08:25:52 GMT
Content-Type: application/fhir+json;charset=utf-8
Transfer-Encoding: chunked
Connection: close
X-Powered-By: HAPI FHIR 5.2.0-
SNAPSHOT REST Server (FHIR Server; FHIR 4.0.1/R4)
X-Request-ID: DM3XQTh5JdBpkew3
Last-Modified: Wed, 14 Oct 2020 08:25:52 GMT
```

Content-Encoding: gzip

```
{
  "resourceType": "Bundle",
  "id": "df2df0bb-9d52-4bcb-9be0-6cf3a6502135",
  "meta": {
    "lastUpdated": "2020-10-14T08:25:52.294+00:00"
  },
  "type": "searchset",
  "link": [ {
    "relation": "self",
    "url": "http://hapi.fhir.org/baseR4/Patient/_search?birthdate=ge1960-01-01&birthdate=le1980-12-31"
  }, {
    "relation": "next",
    "url": "http://hapi.fhir.org/baseR4?_getpages=df2df0bb-9d52-4bcb-9be0-6cf3a6502135&_getpagesoffset=20&_count=20&_pretty=true&_bundletype=searchset"
  } ],
  "entry": [ {
    "fullUrl": "http://hapi.fhir.org/baseR4/Patient/591744",
    "resource": {
      "resourceType": "Patient",
      "id": "591744",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2020-01-21T15:01:32.545+00:00",
        "source": "#BqkHNOUzKcbA3cKF"
      },
      "text": {
        "status": "generated",
        "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">John Robinson </div><table class=\"hapiPropertyTable\"><tbody><tr><td>Identifier</td><td>306144222</td></tr><tr><td>Date of birth</td><td><span>21 April 1969</span></td></tr></tbody></table></div>"
      },
      "identifier": [ {
        "use": "official",
        "_use": {
          "fhir_comments": [ "The identifier for the person as this patient (fictive)" ]
        },
        "type": {
          "text": "BSN"
        },
        "system": "urn:oid:2.16.840.1.113883.2.4.6.3",
        "value": "306144222"
      } ],
      "name": [ {
        "given": [ "John Robinson" ]
      } ],
    }
  ]
}
```

```

    "gender": "male",
    "birthDate": "1969-04-21"
  },
  "search": {
    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/590184",
  "resource": {
    "resourceType": "Patient",
    "id": "590184",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-14T06:44:51.604+00:00",
      "source": "#vW6oxfBZK00mIrfV"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">\n      <table> \n
      <tbody> \n      <tr> \n      <td> Name</td> \n      <t
d> SDRTYUFRT FFFGGGGG\n      <b> Chalmxxxxxxxxx </b> (&quot;Jim&quot;
)\n      </td> \n      </tr> \n      <tr> \n      <td> Add
ress</td> \n      <td> 99999 Erewhon, Pleasantville, Vic, 999999991 </td>
\n      </tr> \n      <tr> \n      <td> Contacts</td> \n
      <td> Home: unknown. Work: (03) 5555 6473</td> \n      </tr> \n
      <tr> \n      <td> Id</td> \n      <td>99999991000</td> \n
      </tr> \n      </tbody> \n      </table> \n      </div>"
    },
    "identifier": [ {
      "fhir_comments": [ "      MRN assigned by ACME healthcare on 6-
May 2001      " ],
      "use": "usual",
      "type": {
        "coding": [ {
          "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
          "code": "MR"
        } ]
      },
      "system": "urn:oid:1.2.36.146.595.217.0.1",
      "value": "12345",
      "period": {
        "start": "2001-05-06"
      },
      "assigner": {
        "display": "Acme Healthcare"
      }
    } ],
    "active": true,
    "name": [ {

```

```

    "fhir_comments": [ "    Peter James Chalmers, but called \"Jim\"    "
],
    "use": "official",
    "family": "Chalmers",
    "given": [ "Peter", "James" ]
}, {
    "use": "usual",
    "given": [ "Jim" ]
}, {
    "use": "maiden",
    "_use": {
        "fhir_comments": [ "    Maiden names apply for anyone whose name chan
ges as a result of marriage - irrespective\n        of gender    " ]
    },
    "family": "Windsor",
    "given": [ "Peter", "James" ],
    "period": {
        "end": "2002"
    }
} ],
"telecom": [ {
    "use": "home",
    "_use": {
        "fhir_comments": [ "    home communication details aren't known    "
]
    }
}, {
    "system": "phone",
    "value": "(03) 5555 6473",
    "use": "work",
    "rank": 1
}, {
    "system": "phone",
    "value": "(03) 3410 5613",
    "use": "mobile",
    "rank": 2
}, {
    "system": "phone",
    "value": "(03) 5555 8834",
    "use": "old",
    "period": {
        "end": "2014"
    }
} ],
"gender": "male",
"_gender": {
    "fhir_comments": [ "    use FHIR code system for male / female    " ]
},
"birthDate": "1974-12-25",
"_birthDate": {

```



```
    "extension": [ {
      "url": "http://hl7.org/fhir/StructureDefinition/patient-birthTime",
      "valueDateTime": "1974-12-25T14:35:45-05:00"
    } ]
  },
  "deceasedBoolean": false,
  "address": [ {
    "use": "home",
    "type": "both",
    "text": "534 Erewhon St PleasantVille, Rainbow, Vic 3999",
    "line": [ "534 Erewhon St" ],
    "city": "PleasantVille",
    "district": "Rainbow",
    "state": "Vic",
    "postalCode": "3999",
    "period": {
      "start": "1974-12-25"
    }
  } ],
  "contact": [ {
    "relationship": [ {
      "coding": [ {
        "system": "http://terminology.hl7.org/CodeSystem/v2-0131",
        "code": "N"
      } ]
    } ]
  } ],
  "name": {
    "family": "du MarchÃ©",
    "_family": {
      "extension": [ {
        "url": "http://hl7.org/fhir/StructureDefinition/humanname-own-
prefix",
        "valueString": "VV"
      } ]
    },
    "given": [ "BÃ©nÃ©dicte" ]
  },
  "telecom": [ {
    "system": "phone",
    "value": "+33 (237) 998327"
  } ],
  "address": {
    "use": "home",
    "type": "both",
    "line": [ "534 Erewhon St" ],
    "city": "PleasantVille",
    "district": "Rainbow",
    "state": "Vic",
    "postalCode": "3999",
    "period": {
```

[illegible]

```
    },
    "assigner": {
      "display": "Acme Healthcare"
    }
  } ],
  "active": true,
  "name": [ {
    "use": "official",
    "family": "Chalmers",
    "given": [ "Peter", "James" ]
  }, {
    "use": "usual",
    "given": [ "Jim" ]
  }, {
    "use": "maiden",
    "family": "Windsor",
    "given": [ "Peter", "James" ],
    "period": {
      "end": "2002"
    }
  } ],
  "telecom": [ {
    "use": "home"
  }, {
    "system": "phone",
    "value": "(03) 5555 6473",
    "use": "work",
    "rank": 1
  }, {
    "system": "phone",
    "value": "(03) 3410 5613",
    "use": "mobile",
    "rank": 2
  }, {
    "system": "phone",
    "value": "(03) 5555 8834",
    "use": "old",
    "period": {
      "end": "2015"
    }
  } ],
  "gender": "female",
  "birthDate": "1974-12-25",
  "_birthDate": {
    "extension": [ {
      "url": "http://hl7.org/fhir/StructureDefinition/patient-birthTime",
      "valueDateTime": "1974-12-25T14:35:45-05:00"
    } ]
  },
  "deceasedBoolean": false,
```

```
    "address": [ {
      "city": "Kurukshetra",
      "state": "Haryana",
      "country": "India"
    }, {
      "city": "Chandigarh",
      "state": "Punjab",
      "country": "India"
    } ],
    "contact": [ {
      "relationship": [ {
        "coding": [ {
          "system": "http://terminology.hl7.org/CodeSystem/v2-0131",
          "code": "N"
        } ]
      } ],
      "name": {
        "family": "du Marché",
        "_family": {
          "extension": [ {
            "url": "http://hl7.org/fhir/StructureDefinition/humanname-own-
prefix",
            "valueString": "VV"
          } ]
        },
        "given": [ "Bénédicte" ]
      },
      "telecom": [ {
        "system": "phone",
        "value": "+33 (237) 998327"
      } ],
      "period": {
        "start": "2012"
      }
    } ],
    "search": {
      "mode": "match"
    }
  }, {
    "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592334",
    "resource": {
      "resourceType": "Patient",
      "id": "592334",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2020-01-24T05:39:54.155+00:00",
        "source": "#EczytQAu0dvI1WW9"
      },
      "text": {
```

```

    "status": "generated",
    "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"> \n                <t
able> \n                    <tbody> \n                        <tr> \n
                            <td>Name</td> \n                                <td>Peter James \n
                                    <b>Chalmers</b> (&quot;Jim&quot;)\n                                </td> \n
                                </tr> \n                                    <tr> \n
                                        <td>Address</td> \n                                            <td>534 Erewhon, Pleasantvi
lle, Vic, 3999</td> \n                                                </tr> \n                                                    <tr> \n
                                                        <td>Contacts</td> \n                                                            <td>Home:
unknown. Work: (03) 5555 6473</td> \n                                                                </tr> \n
                                                                    <tr> \n
                                                                        <td>Id</td> \n
                                                                            <td>MR: 12345 (Acme Healthcare)</td> \n
                                                                                </tr> \n
                                                                                    </tbody> \n
                                                                                        </table> \n
                                                                                            </div>"
    },
    "identifier": [ {
        "fhir_comments": [ "\tMR assigned by ACME healthcare on 6-
May 2001\t" ],
        "use": "usual",
        "type": {
            "coding": [ {
                "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
                "code": "MR"
            } ]
        },
        "system": "urn:oid:1.2.36.146.595.217.0.1",
        "value": "yiQsHHFx8RedEcnb",
        "period": {
            "start": "2001-05-06"
        },
        "assigner": {
            "display": "Acme Healthcare"
        }
    } ],
    "active": true,
    "name": [ {
        "fhir_comments": [ "\tPeter James Chalmers, but called \"Jim\" \t" ],
        "use": "official",
        "family": "ChalmersLnRlwxhG",
        "given": [ "PeterLnRlwxhG", "JamesLnRlwxhG" ]
    }, {
        "use": "usual",
        "given": [ "Jim" ]
    } ],
    "telecom": [ {
        "use": "home",
        "_use": {
            "fhir_comments": [ "\thome communication details aren't known\t" ]
        }
    } ],
    "system": "phone",

```

```

        "value": "(03) 5555 6473",
        "use": "work"
    } ],
    "gender": "male",
    "_gender": {
        "fhir_comments": [ "\tuse FHIR code system for male / female\t" ]
    },
    "birthDate": "1974-12-25",
    "deceasedBoolean": false,
    "address": [ {
        "use": "home",
        "line": [ "534 ErewhonXnnXJSEjx St" ],
        "city": "PleasantVille",
        "state": "Vic",
        "postalCode": "5714"
    } ],
    "contact": [ {
        "relationship": [ {
            "coding": [ {
                "system": "http://terminology.hl7.org/CodeSystem/v2-0131",
                "code": "C"
            } ]
        } ],
        "name": {
            "family": "du Marché",
            "given": [ "Bénédicte" ]
        },
        "telecom": [ {
            "system": "phone",
            "value": "+33 (237) 998327"
        } ]
    } ]
},
"search": {
    "mode": "match"
}
}, {
    "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592497",
    "resource": {
        "resourceType": "Patient",
        "id": "592497",
        "meta": {
            "versionId": "1",
            "lastUpdated": "2020-01-25T20:22:48.128+00:00",
            "source": "#NkhsOSaMdkl0IsIs"
        },
        "text": {
            "status": "generated",
            "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"> Franz Muster, 10.
2.1967 </div>"

```

```

    },
    "name": [ {
      "family": "Musterssohn",
      "given": [ "Franz" ]
    } ],
    "gender": "male",
    "birthDate": "1967-02-10",
    "address": [ {
      "line": [ "Leidensweg 10" ],
      "city": "Specimendorf",
      "postalCode": "9876"
    } ]
  },
  "search": {
    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592496",
  "resource": {
    "resourceType": "Patient",
    "id": "592496",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-25T19:59:57.597+00:00",
      "source": "#RLqCBbWXuVXnLjX8"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"> Franz Muster, 10.
2.1967 </div>"
    },
    "name": [ {
      "family": "Muster",
      "given": [ "Franz" ]
    } ],
    "gender": "male",
    "birthDate": "1967-02-10",
    "address": [ {
      "line": [ "Leidensweg 10" ],
      "city": "Specimendorf",
      "postalCode": "9876"
    } ]
  },
  "search": {
    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592498",
  "resource": {
    "resourceType": "Patient",

```

```

    "id": "592498",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-25T20:24:59.819+00:00",
      "source": "#PeOdt3ujuZpjKNQz"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"> Franz Muster, 10.
2.1967 </div>"
    },
    "name": [ {
      "family": "Musterssohn",
      "given": [ "Franz" ]
    } ],
    "gender": "male",
    "birthDate": "1967-02-10",
    "address": [ {
      "line": [ "Leidensweg 10" ],
      "city": "Specimendorf",
      "postalCode": "9876"
    } ]
  },
  "search": {
    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592569",
  "resource": {
    "resourceType": "Patient",
    "id": "592569",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-27T02:43:07.211+00:00",
      "source": "#SmpPYx5QWCZguAGG"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"> \n
able> \n
      <tbody> \n
      <tr> \n
      <td>Name</td> \n
      <td>Peter James \n
      <b>Chalmers</b> (&quot;Jim&quot;)\n
      </td> \n
      </tr> \n
      <tr> \n
      <td>Address</td> \n
      <td>534 Erewhon, Pleasantvi
lle, Vic, 3999</td> \n
      </tr> \n
      <tr> \n
      <td>Contacts</td> \n
      <td>Home:
unknown. Work: (03) 5555 6473</td> \n
      </tr> \n
      <tr> \n
      <td>Id</td> \n
      <td>MR: 12345 (Acme Healthcare)</td> \n
      </tr> \n
      </tbody> \n
    </table> \n
    </div>"

```



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    },
    "identifier": [ {
      "fhir_comments": [ "\tMR assigned by ACME healthcare on 6-
May 2001\t" ],
      "use": "usual",
      "type": {
        "coding": [ {
          "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
          "code": "MR"
        } ]
      },
      "system": "urn:oid:1.2.36.146.595.217.0.1",
      "value": "jiQsHHFx8RedEcnb",
      "period": {
        "start": "2001-05-06"
      },
      "assigner": {
        "display": "Acme Healthcare"
      }
    } ],
    "active": true,
    "name": [ {
      "fhir_comments": [ "\tPeter James Chalmers, but called \"Jim\"\t" ],
      "use": "official",
      "family": "ChalmersLnRlwxhG",
      "given": [ "PeterLnRlwxhG", "JamesLnRlwxhG" ]
    }, {
      "use": "usual",
      "family": "Family1",
      "given": [ "Jim" ]
    } ],
    "telecom": [ {
      "use": "home",
      "_use": {
        "fhir_comments": [ "\thome communication details aren't known\t" ]
      }
    }, {
      "system": "phone",
      "value": "(03) 5555 6473",
      "use": "work"
    } ],
    "gender": "male",
    "_gender": {
      "fhir_comments": [ "\tuse FHIR code system for male / female\t" ]
    },
    "birthDate": "1974-12-25",
    "deceasedBoolean": false,
    "address": [ {
      "use": "home",
      "line": [ "534 ErewhonXnnXJSEjx St" ],

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    "city": "PleasantVille",
    "state": "Vic",
    "postalCode": "5714"
  } ],
  "contact": [ {
    "relationship": [ {
      "coding": [ {
        "system": "http://terminology.hl7.org/CodeSystem/v2-0131",
        "code": "C"
      } ]
    } ]
  } ],
  "name": {
    "family": "du Marché",
    "given": [ "Bénédicte" ]
  },
  "telecom": [ {
    "system": "phone",
    "value": "+33 (237) 998327"
  } ]
} ],
},
"search": {
  "mode": "match"
}
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/592718",
  "resource": {
    "resourceType": "Patient",
    "id": "592718",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-27T13:07:11.653+00:00",
      "source": "#PaS4Tzbk15NTkDUL"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">value for prefix Peter cxzmmnxczn <b>CHALMERS </b> value for suffix </div><table class=\"hapiPropertyTable\"><tbody><tr><td>Identifier</td><td>959503330</td></tr><tr><td>Address</td><td><span>534 Erewhon St </span><br/><span>assdnm </span><span>Vic </span><span>TANZANIA </span></td></tr><tr><td>Date of birth</td><td><span>25 December 1974</span></td></tr></tbody></table></div>"
    },
    "identifier": [ {
      "value": "959503330"
    } ],
    "active": true,
    "name": [ {
      "use": "official",

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    "text": "value for text",
    "family": "Chalmers",
    "given": [ "Peter", "cxzmmnxczn" ],
    "prefix": [ "value for prefix" ],
    "suffix": [ "value for suffix" ]
  }, {
    "use": "usual",
    "given": [ "Jim" ]
  }, {
    "use": "maiden",
    "family": "Cnmcxnmnm",
    "given": [ "PeZXnmter", "JaXZmnCXNmzmes" ],
    "period": {
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    }
  }
],
"telecom": [ {
  "use": "home"
}, {
  "system": "phone",
  "value": "(03) 7875 6473",
  "use": "work",
  "rank": 1
}, {
  "system": "email",
  "value": "xyzXZNmXZnm@gmail.com",
  "use": "mobile",
  "rank": 2
}, {
  "system": "phone",
  "value": "(03) 43984585 8834",
  "use": "old",
  "period": {
    "end": "2014"
  }
}
],
"gender": "male",
"birthDate": "1974-12-25",
"deceasedBoolean": true,
"address": [ {
  "use": "home",
  "type": "both",
  "text": "534 Erewhon St PeasantVille, Rainbow, Vic 3999",
  "line": [ "534 Erewhon St" ],
  "city": "assdnm",
  "district": "Rainbow",
  "state": "Vic",
  "postalCode": "3999",
  "country": "TANZANIA",
  "period": {
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        "start": "1974-12-25"
    }
} ],
"contact": [ {
    "relationship": [ {
        "coding": [ {
            "system": "http://hl7.org/fhir/v2/0131",
            "code": "N"
        } ]
    } ]
} ],
"name": {
    "family": "du Marche",
    "given": [ "Benedicte" ]
},
"telecom": [ {
    "system": "phone",
    "value": "+33 (23387347) 998327"
} ],
"address": {
    "use": "home",
    "type": "both",
    "line": [ "534 Erewhon St" ],
    "city": "PleasantVille",
    "district": "Rainbow",
    "state": "Vic",
    "postalCode": "39978239",
    "country": "TANZANIA",
    "period": {
        "start": "1974-12-25"
    }
},
"gender": "female",
"period": {
    "start": "2012"
}
} ]
},
"search": {
    "mode": "match"
}
}, {
    "fullUrl": "http://hapi.fhir.org/baseR4/Patient/593148",
    "resource": {
        "resourceType": "Patient",
        "id": "593148",
        "meta": {
            "versionId": "1",
            "lastUpdated": "2020-01-29T16:04:05.629+00:00",
            "source": "#01vlu8bAEkgmjkcV"
        }
    },

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[illegible]

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        "use": "work",
        "rank": 1
    }, {
        "system": "phone",
        "value": "(03) 3410 5613",
        "use": "mobile",
        "rank": 2
    }, {
        "system": "phone",
        "value": "(03) 5555 8834",
        "use": "old",
        "period": {
            "end": "2014"
        }
    } ],
    "gender": "male",
    "birthDate": "1974-12-25",
    "_birthDate": {
        "extension": [ {
            "url": "http://hl7.org/fhir/StructureDefinition/patient-birthTime",
            "valueDateTime": "1974-12-25T14:35:45-05:00"
        } ]
    },
    "deceasedBoolean": false,
    "address": [ {
        "use": "home",
        "type": "both",
        "text": "534 Erewhon St PeasantVille, Rainbow, Vic 3999",
        "line": [ "534 Erewhon St" ],
        "city": "PleasantVille",
        "district": "Rainbow",
        "state": "Vic",
        "postalCode": "3999",
        "period": {
            "start": "1974-12-25"
        }
    } ],
    "contact": [ {
        "relationship": [ {
            "coding": [ {
                "system": "http://terminology.hl7.org/CodeSystem/v2-0131",
                "code": "N"
            } ]
        } ]
    } ],
    "name": {
        "family": "du Marché",
        "_family": {
            "extension": [ {
                "url": "http://hl7.org/fhir/StructureDefinition/humanname-own-
prefix",

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        "valueString": "VV"
      } ]
    },
    "given": [ "Bénédicte" ]
  },
  "telecom": [ {
    "system": "phone",
    "value": "+33 (237) 998327"
  } ],
  "address": {
    "use": "home",
    "type": "both",
    "line": [ "534 Erewhon St" ],
    "city": "PleasantVille",
    "district": "Rainbow",
    "state": "Vic",
    "postalCode": "3999",
    "period": {
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    }
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  "gender": "female",
  "period": {
    "start": "2012"
  }
} ],
"managingOrganization": {
  "reference": "Organization/593093"
}
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}, {
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  "resource": {
    "resourceType": "Patient",
    "id": "592134",
    "meta": {
      "versionId": "4",
      "lastUpdated": "2020-01-23T12:52:33.416+00:00",
      "source": "#95d1MHFJCj2E6gt"
    },
    "text": {
      "status": "generated",
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    }
  }
}

```

```
</tr><tr><td>Date of birth</td><td><span>26 October 1980</span></td></tr></tbody></table></div>"
```

```
  },
  "identifier": [ {
    "system": "http://fhir.de/NamingSystem/gkv/kvid-10",
    "value": "9973264355"
  }, {
    "type": {
      "coding": [ {
        "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
        "code": "MR"
      } ]
    },
    "system": "http://starfleet-hospital.ufp/NamingSystem/patient-identifier",
    "value": "NCC-1032"
  } ],
  "name": [ {
    "family": "Heckmann",
    "given": [ "Simone" ]
  } ],
  "gender": "female",
  "birthDate": "1980-10-26",
  "address": [ {
    "extension": [ {
      "url": "http://fhir.ufp/StructureDefinition/planet",
      "valueString": "Erde"
    } ],
    "line": [ "Milchstr. 42" ],
    "city": "Spöck",
    "postalCode": "69999",
    "country": "Deutschland"
  } ]
},
"search": {
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}
}, {
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  "resource": {
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    "id": "593210",
    "meta": {
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      "source": "#0lam7BIUZrK7chjc"
    },
    "text": {
      "status": "generated",
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      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">Jack <b>O'NEIL </b></div><table class=\"hapiPropertyTable\"><tbody /></table></div>"
    },
    "name": [ {
      "family": "O'Neil",
      "given": [ "Jack" ]
    } ],
    "telecom": [ {
      "system": "phone",
      "value": "1(324)125-2321",
      "use": "home"
    } ],
    "gender": "male",
    "birthDate": "1967-10-31"
  },
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    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/593218",
  "resource": {
    "resourceType": "Patient",
    "id": "593218",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-29T18:40:21.031+00:00",
      "source": "#AHRVcH9jLJPSJ2FZ"
    },
    "text": {
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      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">Jack <b>O'NEIL </b></div><table class=\"hapiPropertyTable\"><tbody /></table></div>"
    },
    "identifier": [ {
      "value": "ywang967"
    } ],
    "name": [ {
      "family": "O'Neil",
      "given": [ "Jack" ]
    } ],
    "telecom": [ {
      "system": "phone",
      "value": "1(324)125-2321",
      "use": "home"
    } ],
    "gender": "male",
    "birthDate": "1967-10-31"
  },

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    "search": {
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    }
  }, {
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    "resource": {
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      "id": "593252",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2020-01-29T22:10:06.216+00:00",
        "source": "#ZxsjLJkAtCK490jR"
      },
      "text": {
        "status": "generated",
        "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">Bruce <b>WAYNE </b></div><table class=\"hapiPropertyTable\"><tbody><tr><td>Address</td><td><span>777 5th Avenue </span><br/><span>New York City </span><span>New York </span><span>United States </span></td></tr><tr><td>Date of birth</td><td><span>01 January 1960</span></td></tr></tbody></table></div>"
      },
      "name": [ {
        "family": "Wayne",
        "given": [ "Bruce" ]
      } ],
      "telecom": [ {
        "system": "phone",
        "value": "111-222-3333",
        "use": "mobile"
      } ],
      "gender": "male",
      "birthDate": "1960-01-01",
      "address": [ {
        "line": [ "777 5th Avenue" ],
        "city": "New York City",
        "state": "New York",
        "postalCode": "123456",
        "country": "United States"
      } ]
    },
    "search": {
      "mode": "match"
    }
  }, {
    "fullUrl": "http://hapi.fhir.org/baseR4/Patient/593254",
    "resource": {
      "resourceType": "Patient",
      "id": "593254",
      "meta": {

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    "versionId": "1",
    "lastUpdated": "2020-01-29T22:27:25.910+00:00",
    "source": "#3hrtv6liLhdQ5kJk"
  },
  "text": {
    "status": "generated",
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  },
  "name": [ {
    "family": "Wayne",
    "given": [ "Bruce" ]
  } ],
  "telecom": [ {
    "system": "phone",
    "value": "111-222-3333",
    "use": "mobile"
  } ],
  "gender": "male",
  "birthDate": "1960-01-01",
  "address": [ {
    "line": [ "777 5th Avenue" ],
    "city": "New York City",
    "state": "New York",
    "postalCode": "123456",
    "country": "United States"
  } ]
},
"search": {
  "mode": "match"
}
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/593256",
  "resource": {
    "resourceType": "Patient",
    "id": "593256",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-29T22:28:37.823+00:00",
      "source": "#YZuwVE0wYXSoq9Hj"
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">Bruce <b>WAYNE </b></div><table class=\"hapiPropertyTable\"><tbody><tr><td>Address</td><td><span>777 5th Avenue </span><br/><span>New York City

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</span><span>New York </span><span>United States </span></td></tr><tr><td>Date  
of birth</td><td><span>01 January 1960</span></td></tr></tbody></table></div>  
"
```

```
  },  
  "name": [ {  
    "family": "Wayne",  
    "given": [ "Bruce" ]  
  } ],  
  "telecom": [ {  
    "system": "phone",  
    "value": "111-222-3333",  
    "use": "mobile"  
  } ],  
  "gender": "male",  
  "birthDate": "1960-01-01",  
  "address": [ {  
    "line": [ "777 5th Avenue" ],  
    "city": "New York City",  
    "state": "New York",  
    "postalCode": "123456",  
    "country": "United States"  
  } ]  
},  
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}  
}, {  
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  "resource": {  
    "resourceType": "Patient",  
    "id": "593258",  
    "meta": {  
      "versionId": "1",  
      "lastUpdated": "2020-01-29T22:34:40.993+00:00",  
      "source": "#kdIvIr19WB8BKBt1"  
    },  
    "text": {  
      "status": "generated",  
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\"><div class=\"hapiHeaderText\">Bruce <b>WAYNE </b></div><table class=\"hapiPropertyTable\"><tbody>  
><tr><td>Identifier</td><td>rgobao3</td></tr><tr><td>Address</td><td><span>777  
5th Avenue </span><br/><span>New York City </span><span>New York </span><span>  
>United States </span></td></tr><tr><td>Date of birth</td><td><span>01 January  
1960</span></td></tr></tbody></table></div>"  
    },  
    "identifier": [ {  
      "value": "rgobao3"  
    } ],  
    "name": [ {  
      "family": "Wayne",
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    "given": [ "Bruce" ]
  } ],
  "telecom": [ {
    "system": "phone",
    "value": "111-222-3333",
    "use": "mobile"
  } ],
  "gender": "male",
  "birthDate": "1960-01-01",
  "address": [ {
    "line": [ "777 5th Avenue" ],
    "city": "New York City",
    "state": "New York",
    "postalCode": "123456",
    "country": "United States"
  } ]
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"search": {
  "mode": "match"
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}, {
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  "resource": {
    "resourceType": "Patient",
    "id": "593297",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2020-01-30T03:06:03.901+00:00",
      "source": "#ryWo819qjRyKLewA"
    },
    "text": {
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    },
    "name": [ {
      "family": "Polo",
      "given": [ "Marko" ]
    } ],
    "telecom": [ {
      "system": "phone",
      "value": "1(404)896-4477",
      "use": "home"
    } ],
    "gender": "male",
    "birthDate": "1969-01-09"
  },
  "search": {

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    "mode": "match"
  }
}, {
  "fullUrl": "http://hapi.fhir.org/baseR4/Patient/593299",
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    "resourceType": "Patient",
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    "meta": {
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      "source": "#G2tWWlQqEhNqPn9rj"
    },
    "text": {
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    },
    "name": [ {
      "family": "Polo",
      "given": [ "Marko" ]
    } ],
    "telecom": [ {
      "system": "phone",
      "value": "1(404)896-4477",
      "use": "home"
    } ],
    "gender": "male",
    "birthDate": "1969-01-09",
    "address": [ {
      "use": "home",
      "text": "1234 Sesame St",
      "city": "Atlanta",
      "state": "GA",
      "country": "USA"
    } ]
  },
  "search": {
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}, {
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    "id": "593301",
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      "lastUpdated": "2020-01-30T03:16:18.100+00:00",

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  },
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  },
  "name": [ {
    "family": "Polo",
    "given": [ "Marko" ]
  } ],
  "telecom": [ {
    "system": "phone",
    "value": "1(404)896-4477"
  } ],
  "gender": "male",
  "birthDate": "1969-01-09",
  "address": [ {
    "city": "Atlanta",
    "state": "GA",
    "country": "USA"
  } ]
},
"search": {
  "mode": "match"
}
} ]
}
```