API: Van EPD naar RITME

Versie: 6-9-2016

# Medicatieschema-service

## Actueel medicatieschema als XML

Haalt op last van een bepaalde gebruiker (userid) in naam van een bepaald ziekenhuis alle medicatieschemagegevens op voor een bepaalde patient.

Input

Gebruiker (userid)

Ziekenhuis (NIHII)

Patient (SSIN)

Output

Medicatieschema-items in KMEHR-XML

Implementatie

REST (/vitalinkwebservice/api/v1/medicatieschema/XML/{nihiiOrg}/{ssinPatient}) GET, gebruiker via authenticatie, output multipart/mixed (application/xml)

Voorbeeld

input:

<http://localhost:8080/vitalinkwebservice/api/v1/medicatieschema/XML/71032209/73100906111>

Output:

{null: HTTP/1.1 200 OK}{Server: Apache-Coyote/1.1}{Pragma: No-cache}{Cache-Control: no-cache}{Expires: Thu, 01 Jan 1970 01:00:00 CET}{Content-Type: multipart/mixed; boundary=d93f8e03-51fa-4038-b81a-c97130d0e0a0}{Transfer-Encoding: chunked}{Date: Wed, 18 May 2016 09:53:07 GMT}

--d93f8e03-51fa-4038-b81a-c97130d0e0a0

Content-Length: 6369

Content-Type: application/xml

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</standard>

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<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<sender>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

<hcparty>

<id S="ID-HCPARTY" SV="1.0">71032209</id>

<cd S="CD-HCPARTY" SV="1.3">orghospital</cd>

<name>UZ Leuven</name>

</hcparty>

</sender>

<recipient>

<hcparty>

<cd S="CD-APPLICATION" SV="1.3">application</cd>

<name>VITALINK</name>

</hcparty>

</recipient>

</header>

<folder>

<id S="ID-KMEHR" SV="1.0">1</id>

<patient>

<id S="INSS" SV="1.0">73100906111</id>

<firstname>NUMMER 365</firstname>

<familyname>BSS OPLEIDINGPATIENT</familyname>

<sex>

<cd S="CD-SEX" SV="1.0">female</cd>

</sex>

</patient>

<transaction>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-TRANSACTION" SV="1.4">medicationschemeelement</cd>

<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<author>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

</author>

<iscomplete>true</iscomplete>

<isvalidated>true</isvalidated>

<item>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">adaptationflag</cd>

<cd S="CD-MS-ADAPTATION" SV="1.0">nochanges</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-ITEM" SV="1.4">medication</cd>

<content>

<medicinalproduct>

<intendedcd S="CD-DRUG-CNK" SV="2010-07">1439562</intendedcd>

<intendedname>Topazolam tab 50x 1,0mg</intendedname>

</medicinalproduct>

</content>

<beginmoment>

<date>2016-04-28+02:00</date>

</beginmoment>

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<cd S="CD-LIFECYCLE" SV="1.3">stopped</cd>

</lifecycle>

<temporality>

<cd S="CD-TEMPORALITY" SV="1.0">oneshot</cd>

</temporality>

<route>

<cd S="CD-DRUG-ROUTE" SV="2.0">00002</cd>

</route>

<instructionforpatient L="nl">adhoc: indien nodig</instructionforpatient>

</item>

</transaction>

<transaction>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-TRANSACTION" SV="1.4">treatmentsuspension</cd>

<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<author>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

</author>

<iscomplete>true</iscomplete>

<isvalidated>true</isvalidated>

<item>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">adaptationflag</cd>

<cd S="CD-MS-ADAPTATION" SV="1.0">treatmentsuspension</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-ITEM" SV="1.4">medication</cd>

<content>

<medicinalproduct>

<intendedcd S="CD-DRUG-CNK" SV="2010-07">1439562</intendedcd>

<intendedname>Topazolam tab 50x 1,0mg</intendedname>

</medicinalproduct>

</content>

<beginmoment>

<date>2016-04-28+02:00</date>

</beginmoment>

<lifecycle>

<cd S="CD-LIFECYCLE" SV="1.3">stopped</cd>

</lifecycle>

<temporality>

<cd S="CD-TEMPORALITY" SV="1.0">oneshot</cd>

</temporality>

<route>

<cd S="CD-DRUG-ROUTE" SV="2.0">00002</cd>

</route>

<instructionforpatient L="nl">adhoc: indien nodig</instructionforpatient>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">3</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">origin</cd>

<cd S="CD-MS-ORIGIN" SV="1.0">regularprocess</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">7</id>

<cd S="CD-ITEM" SV="1.4">transactionreason</cd>

<content>

<text L="nl">Verworpen bij schemavergelijking</text>

</content>

</item>

</transaction>

</folder>

</kmehrmessage>

--d93f8e03-51fa-4038-b81a-c97130d0e0a0

## Actueel medicatieschema als JSON

Haalt op last van een bepaalde gebruiker (userid) in naam van een bepaald ziekenhuis alle medicatieschemagegevens op voor een bepaalde patient.

Input

Gebruiker (userid)

Ziekenhuis (NIHII)

Patient (SSIN)

Output

Medicatieschema-items in JSON

Implementatie

REST (/vitalinkwebservice/api/v1/medicatieschema/JSON/{nihiiOrg}/{ssinPatient}) GET, gebruiker via authenticatie, output application/json

Voorbeeld:

## Actueel medicatieschema als HTML

Haalt op last van een bepaalde gebruiker (userid) in naam van een bepaald ziekenhuis alle medicatieschemagegevens op voor een bepaalde patient. Er kan ook gefilterd worden op datum, gestopte medicatie en suspended medicatie.

Input

Gebruiker (userid)

Ziekenhuis (NIHII)

Patient (SSIN)

Einddatum na (endDateAfter)

Uit te sluiten statussen (excludeStatus)

Output

Medicatieschema-items in HTML

Implementatie

REST (/vitalinkwebservice/api/v1/medicatieschema/HTML/{nihiiOrg}/{ssinPatient}) GET, gebruiker via authenticatie, output application/json, filtering via query parameters (endDateAfter, excludeStatus)

## Actueel medicatieschema als MetaData

Haalt op last van een bepaalde gebruiker (userid) in naam van een bepaald ziekenhuis alle metadata van medicatieschema-items op voor een bepaalde patient.

Input

Gebruiker (userid)

Ziekenhuis (NIHII)

Patient (SSIN)

Output

Metadata in JSON formaat.

Implementatie

REST (/vitalinkwebservice/api/v1/medicatieschema/MetaData/{nihiiOrg}/{ssinPatient}) GET, gebruiker via authenticatie, output application/json

## Bewaar medicatieschema-items

Voegt verschillende medicatieschema-items die over dezelfde medicatie gaan samen tot 1 KMEHR boodschap, en slaat deze op in Vitalink. De operatie gebeurt op last van een gebruiker (userid), in naam van een ziekenhuis (nihii) voor een specifieke patient (ssin). Er kan gekozen worden om de medicatie op te slaan onder een bestaand patientspecifiek medicatie-id, of onder een nieuw aan te maken id. Om de informatie consistent te houden wordt verwacht dat het EPD de huidige versie van het medicatieschema meegeeft. Als deze versie niet de huidige versie in Vitalink is, kan de medicatie niet opgeslagen worden, tot het EPD kennis genomen heeft van de laatste versie in Vitalink.

Input

Ziekenhuis

Schema-versie

Patient

Patient-Medicatie-nummer

Gebruiker

Output

URI van de opgeslagen medicatie of foutboodschap

Implementatie

REST (/vitalinkwebservice/api/v1/medicatieschema/JSON/{nihiiOrg}/Vitalink/{schemaversion}/subject/{ssinPatient}/medication-scheme/{patientmedicatienummer}) POST , gebruiker via authenticatie, medicatieschema-items application/json, output URI in Content-Location

# Medicatievergelijkingsservice

## Vergelijkingsresultaten

Maakt een vergelijking tussen twee reeksen medicatie-items en geeft een reeks van vergelijkingsresultaten terug. De vergelijking is niet afhankelijk van de gebruiker die de vergelijking uitvoert, noch van het ziekenhuis dat de vergelijking uitvoert.

Input

Medicatieschema-items links

Medicatieschema-items rechts

Output

Vergelijkingsresultaten, met verwijzing naar de indexen van de linkerlijst en de rechterlijst.

Implementatie

REST (/vitalinkwebservice/api/v1/compare-medicatieschema/JSON) POST application/json, output application/json

Voorbeeld:

## Maak input voor vergelijkingsinterface

Maakt de input voor de vergelijkingsinterface aan op basis van de linkeritems, rechteritems, de vergelijkingsresultaten, de gebruiker en het ziekenhuis. De gebruiker en het ziekenhuis worden gebruikt om in de vergelijkingseditor suggesties tot substitutie te kunnen doen (die gebruiker en ziekenhuis-afhankelijk zijn). Rijksregisternummer van de patient wordt gebruikt om patientgegevens in de vergelijkingsinterface te kunnen tonen.

Input

Ziekenhuis (NIHII)

Gebruiker (userid)

Patient (SSIN)

Medicateschema-items links

Medicatieschema-items rechts

Vergelijkingsresultaten

UI

Output

De vergelijkingsgegevens, aangevuld en aangepast voor de UI.

Implementatie

REST (/vitalinkwebservice/api/v1/compare-medicatieschema/JSON/{nihiiOrg}/{ui}/subject/{ssinPatient}) POST application/json, output application/json

Voorbeeld:

## Toon de vergelijkingsinterface

Toont de vergelijkingsinterface op basis van de input voor de vergelijkingsinterface

Input

Input voor de vergelijkingsinterface (zie [Maak input voor vergelijkingsinterface](#_utxta99b9mnf) )

Output

De vergelijkingsinterface in HTML

Implementatie

HTML5 pagina (/vitalinkwebservice/compareUI) POST application/x-www-form-urlencoded (key = data) , output text/html

Voorbeeld:

# Substitutie-service

## Substitueer medicatie

Substitueert medicatie op basis van de gebruiker en de organisatie. Op basis van de AMP-code of CNK-code worden de bijbehorende VMP(s) opgehaald. Voor elke CNK verpakking die onder die VMP hangt (via de tussenliggende AMPs) wordt nagekeken of die bepaalde verpakking voor de aanvragende persoon in het formularium van het ziekenhuis zit. Alle verpakkingen in formularium zijn het resultaat. Deze service is patient-onafhankelijk.

Input

Medicatie (op AMP- of CNK-niveau)

Gebruiker (userid)

Ziekenhuis (NIHII)

Formularium (true/false: moet de substitutie zich in het formularium bevinden voor de gebruiker in het aangegeven ziekenhuis)

Type (medicatieId type: zoek substitutie-mogelijkheden met gemeenschappelijke parent op dit niveau)

Level (alleen geldig als Type ATC is, zoek substitutie-mogelijkheden met gemeenschappelijke parent tot dit ATC level)

Output

Medicaties

Implementatie

REST (/vitalinkwebservice/api/v1/substitute-medication/JSON/{nihiiOrg}) POST application/json, output application/json

Voorbeeld:

Input:

# Voorschrijf-service

## Maak een voorschrift

Maakt een recipe voorschrift aan op last van een bepaalde gebruiker, in naam van een ziekenhuis. Er wordt vanuitgegaan dat de medicatievoorschriftitems op precies 1 voorschrift passen, rekening houdende met de business-rules.

Input

Gebruiker (userid)

Patient (SSIN)

Ziekenhuis (NIHII)

Medicatievoorschrift-items

Output

URI met het Recipe voorschrift-id

Implementatie

REST (/recipewebservice/api/v1/prescription/JSON/{nihiiOrg}/Recip-e/subject/{patientSSIN}/prescription) POST application/json, output URI in Content-Location

## Maak voorschriften

Maakt één of meerdere recipe voorschriften aan op last van een bepaalde gebruiker, in naam van een ziekenhuis. De voorziene medicatievoorschrift-items worden verdeeld op verschillende voorschriften rekening houdende met de business-rules. De lijst van medicatievoorschrift-items wordt teruggegeven met de bijbehorende URI (=Recip-e id + volgnummer op het voorschrift)

Input

Gebruiker (userid)

Patient (SSIN)

Ziekenhuis (NIHII)

Medicatievoorschrift-items

Output

Medicatievoorschrift-items met ingevulde URI

Implementatie

REST (

/recipewebservice/api/v1/prescription/JSON/{nihiiOrg}/Recip-e/subject/{patientSSIN}/prescriptions) POST application/json, output application/json

## Zend notificatie naar apotheek

Deze service verstuurt een notificatie naar een apotheek op last van een bepaalde gebruiker, in naam van een ziekenhuis. Er kan een kopie van het voorschrift als attachment doorgestuurd worden. Deze kopie heeft echter geen wettelijke waarde.

Input

Gebruiker (userid)

Patient (SSIN)

Ziekenhuis (NIHII)

Ontvanger (apotheek) (NIHII8)

Bericht

MedicatieVoorschriftItem

Output

HTTP-response code

Implementatie

REST (

/recipewebservice/api/v1/prescription/JSON/{nihiiOrg}/Recip-e/subject/{patientSSIN}/notification/{receiverNihii}) POST application/json, foutmelding als HTTP-status code

# Adresboekservice

## Haal zorgverlenergegevens op

Deze service haalt zorgverlenergegevens op bij e-Health op last van een bepaalde gebruiker, in naam van een ziekenhuis. Er zijn verschillende criteria waarop kan gezocht worden.

Input:

Gebruiker (userid)

Ziekenhuis (NIHII)

Bron (addressbook of riziv) - riziv is experimenteel

Qualificatie zorgverlener (laatste 3 cijfers persoonsNIHII)

Rijksregisternummer zorgverlener (SSIN)

Nihiinummer zorgverlener (NIHII)

Beroep zorgverlener (volgens de lijst op <https://www.ehealth.fgov.be/standards/kmehr/content/page/tables/198/healthcare-party-type> - partieel geïmplementeerd)

Voornaam zorgverlener

Achternaam zorgverlener

Stad zorgverlener

Postnummer zorgverlener

Email zorgverlener

Output

MedicData (pas op: er zullen geen organisaties aan deze MedicData verbonden zijn, omdat het e-Health adresboek geen notie heeft van organisaties waar een zorgverlener werkt).

Implementatie

REST (

/addressbookwebservice/api/v1/caretaker/JSON/{nihiiOrg}/{source}/caretaker) GET query-params, output application/json

## Haal organisatiegegevens op

Deze service haalt organisatiegegevens op bij e-Health op last van een bepaalde gebruiker, in naam van een ziekenhuis. Er zijn verschillende criteria waarop kan gezocht worden.

Input:

Gebruiker (userid)

Ziekenhuis (NIHII)

Targetsysteem (addressbook) - addressbook is experimenteel bij afloop van dit project.

E-health partner nummer

Nihiinummer organisatie (NIHII)

Kruispuntbank ondernemingen nummer (CBE)

Naam organisatie

Stad organisatie

Postnummer organisatie

Email organisatie

Output

OrganisationData

Implementatie

REST (

/addressbookwebservice/api/v1/organisation/JSON/{nihiiOrg}/addressbook/organisation) GET query-params, output application/json

# Voorbeelden

## Medicatieschema-service

### Actueel medicatieschema als XML

input:

<http://localhost:8080/vitalinkwebservice/api/v1/medicatieschema/XML/71032209/73100906111>

Output:

{null: HTTP/1.1 200 OK}{Server: Apache-Coyote/1.1}{Pragma: No-cache}{Cache-Control: no-cache}{Expires: Thu, 01 Jan 1970 01:00:00 CET}{Content-Type: multipart/mixed; boundary=d93f8e03-51fa-4038-b81a-c97130d0e0a0}{Transfer-Encoding: chunked}{Date: Wed, 18 May 2016 09:53:07 GMT}

--d93f8e03-51fa-4038-b81a-c97130d0e0a0

Content-Length: 6369

Content-Type: application/xml

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<kmehrmessage xmlns="http://www.ehealth.fgov.be/standards/kmehr/schema/v1" xmlns:ns2="http://www.w3.org/2001/04/xmlenc#" xmlns:ns3="http://www.w3.org/2000/09/xmldsig#" xmlns:ns4="urn:be:fgov:ehealth:metahub:core:v2">

<header>

<standard>

<cd S="CD-STANDARD" SV="1.4">20120401</cd>

</standard>

<id S="ID-KMEHR" SV="1.0">31b12a05-38a0-407e-b995-da0daadc1394</id>

<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<sender>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

<hcparty>

<id S="ID-HCPARTY" SV="1.0">71032209</id>

<cd S="CD-HCPARTY" SV="1.3">orghospital</cd>

<name>UZ Leuven</name>

</hcparty>

</sender>

<recipient>

<hcparty>

<cd S="CD-APPLICATION" SV="1.3">application</cd>

<name>VITALINK</name>

</hcparty>

</recipient>

</header>

<folder>

<id S="ID-KMEHR" SV="1.0">1</id>

<patient>

<id S="INSS" SV="1.0">73100906111</id>

<firstname>NUMMER 365</firstname>

<familyname>BSS OPLEIDINGPATIENT</familyname>

<sex>

<cd S="CD-SEX" SV="1.0">female</cd>

</sex>

</patient>

<transaction>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-TRANSACTION" SV="1.4">medicationschemeelement</cd>

<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<author>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

</author>

<iscomplete>true</iscomplete>

<isvalidated>true</isvalidated>

<item>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">adaptationflag</cd>

<cd S="CD-MS-ADAPTATION" SV="1.0">nochanges</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-ITEM" SV="1.4">medication</cd>

<content>

<medicinalproduct>

<intendedcd S="CD-DRUG-CNK" SV="2010-07">1439562</intendedcd>

<intendedname>Topazolam tab 50x 1,0mg</intendedname>

</medicinalproduct>

</content>

<beginmoment>

<date>2016-04-28+02:00</date>

</beginmoment>

<lifecycle>

<cd S="CD-LIFECYCLE" SV="1.3">stopped</cd>

</lifecycle>

<temporality>

<cd S="CD-TEMPORALITY" SV="1.0">oneshot</cd>

</temporality>

<route>

<cd S="CD-DRUG-ROUTE" SV="2.0">00002</cd>

</route>

<instructionforpatient L="nl">adhoc: indien nodig</instructionforpatient>

</item>

</transaction>

<transaction>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-TRANSACTION" SV="1.4">treatmentsuspension</cd>

<date>2016-04-28+02:00</date>

<time>10:40:01</time>

<author>

<hcparty>

<id S="INSS" SV="1.0">74091621351</id>

<id S="ID-HCPARTY" SV="1.0">10000007999</id>

<cd S="CD-HCPARTY" SV="1.3">persphysician</cd>

<firstname>John</firstname>

<familyname>Difool</familyname>

</hcparty>

</author>

<iscomplete>true</iscomplete>

<isvalidated>true</isvalidated>

<item>

<id S="ID-KMEHR" SV="1.0">1</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">adaptationflag</cd>

<cd S="CD-MS-ADAPTATION" SV="1.0">treatmentsuspension</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">2</id>

<cd S="CD-ITEM" SV="1.4">medication</cd>

<content>

<medicinalproduct>

<intendedcd S="CD-DRUG-CNK" SV="2010-07">1439562</intendedcd>

<intendedname>Topazolam tab 50x 1,0mg</intendedname>

</medicinalproduct>

</content>

<beginmoment>

<date>2016-04-28+02:00</date>

</beginmoment>

<lifecycle>

<cd S="CD-LIFECYCLE" SV="1.3">stopped</cd>

</lifecycle>

<temporality>

<cd S="CD-TEMPORALITY" SV="1.0">oneshot</cd>

</temporality>

<route>

<cd S="CD-DRUG-ROUTE" SV="2.0">00002</cd>

</route>

<instructionforpatient L="nl">adhoc: indien nodig</instructionforpatient>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">3</id>

<cd S="CD-ITEM" SV="1.4">healthcareelement</cd>

<content>

<cd S="CD-ITEM-MS" SV="1.0">origin</cd>

<cd S="CD-MS-ORIGIN" SV="1.0">regularprocess</cd>

</content>

</item>

<item>

<id S="ID-KMEHR" SV="1.0">7</id>

<cd S="CD-ITEM" SV="1.4">transactionreason</cd>

<content>

<text L="nl">Verworpen bij schemavergelijking</text>

</content>

</item>

</transaction>

</folder>

</kmehrmessage>

--d93f8e03-51fa-4038-b81a-c97130d0e0a0

### Actueel medicatieschema als JSON

Input:

<http://localhost:8080/vitalinkwebservice/api/v1/medicatieschema/JSON/71032209/73100906111>

Output:

[{

"periodicity" : null,

"instructionForPatient" : null,

"instructionForOverdosing" : null,

"instructionForReimbursement" : null,

"transactionReason" : null,

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/65341/1",

"source" : "Vitalink",

"type" : null,

"registrationDate" : 1461928022000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2367449",

"medicationIdType" : "CNK",

"medicationDescription" : "Amlodipine Apotex tab 100x 10mg",

"magistralText" : null

},

"deliveredMedication" : null,

"drugRoute" : "OR",

"medicationUse" : null,

"startDate" : -2208992400000,

"stopDate" : null,

"beginCondition" : null,

"endCondition" : null,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"periodicity" : "W",

"instructionForPatient" : null,

"instructionForOverdosing" : null,

"instructionForReimbursement" : null,

"transactionReason" : null,

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/42695/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1463057374000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14258",

"medicationIdType" : "CNK",

"medicationDescription" : "Daktarin creme 30g 20mg/ g",

"magistralText" : null

},

"deliveredMedication" : null,

"drugRoute" : "DERM",

"medicationUse" : null,

"startDate" : 1463004000000,

"stopDate" : 1466632800000,

"beginCondition" : "# bij jeuk",

"endCondition" : null,

"regimenItems" : [{

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 25200000,

"date" : null,

"weekDay" : "MONDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 68400000,

"date" : null,

"weekDay" : "MONDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 25200000,

"date" : null,

"weekDay" : "TUESDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 68400000,

"date" : null,

"weekDay" : "TUESDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 25200000,

"date" : null,

"weekDay" : "WEDNESDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 68400000,

"date" : null,

"weekDay" : "WEDNESDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 25200000,

"date" : null,

"weekDay" : "THURSDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 68400000,

"date" : null,

"weekDay" : "THURSDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 25200000,

"date" : null,

"weekDay" : "FRIDAY",

"number" : null

}, {

"administrationUnit" : "MG",

"quantity" : 50,

"dayPeriod" : null,

"time" : 68400000,

"date" : null,

"weekDay" : "FRIDAY",

"number" : null

}

],

"posology" : null,

"patientOrigin" : false,

"active" : false,

"validated" : false,

"suspensions" : []

}

]

### Actueel medicatieschema als HTML

## Medicatievergelijkingsservice

### Vergelijkingsresultaten

Input:

<http://localhost:8080/vitalinkwebservice/api/v1/compare-medicatieschema/JSON>

{

"left" : [{

"source" : "Andere",

"registrationDate" : 1455887699796,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11602",

"medicationIdType" : "AMP",

"medicationDescription" : "Asaflow compr. (maagsapresist.) 80 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1455887773493,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "12791",

"medicationIdType" : "AMP",

"medicationDescription" : "Daflon compr. 450 mg+ 50 mg"

},

"drugRoute" : "OR",

"startDate" : 1420066800000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}, {

"time" : 68400000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : false,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1456472330263,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11465",

"medicationIdType" : "AMP",

"medicationDescription" : "Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 61200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Calcium en vitamine d supplement, ter versteviging van de botten.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"type" : "ONESHOT",

"registrationDate" : 1456472349853,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "13747",

"medicationIdType" : "AMP",

"medicationDescription" : "Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"beginCondition" : "# bij constipatie",

"regimenItems" : [],

"posology" : "1 zakje ",

"instructionForPatient" : "Om de stoelgang malser te maken, in te nemen met een groot glas water. Te stoppen bij losse stoelgang.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1461316474790,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "PANTOPRAZOLE EG (TABL 40 MG)",

"magistralText" : "PANTOPRAZOLE EG (TABL 40 MG)"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "In het ziekenhuis werd PANTOMED gegeven (zelfde product)",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1461317026950,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14068",

"medicationIdType" : "AMP",

"medicationDescription" : "Lormetazepam EG compr. (deelb.) 1 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 75600000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Dosis werd afgebouwd.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1462183284503,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15229",

"medicationIdType" : "AMP",

"medicationDescription" : "Norvir compr. 100 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl ",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}, {

"source" : "Andere",

"registrationDate" : 1462183295496,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15343",

"medicationIdType" : "AMP",

"medicationDescription" : "Zocor compr. 40 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

],

"right" : [{

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/98316/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461927998000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "ONDANSETRON (2 MG CAPS)",

"magistralText" : "ONDANSETRON (2 MG CAPS)"

},

"drugRoute" : "OR",

"startDate" : 1409695200000,

"beginCondition" : "# bij hevige misselijkheid",

"regimenItems" : [],

"posology" : "2 mg ",

"instructionForPatient" : "Bij voorkeur tot maximum 24 uur na einde chemo.",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/78949/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928001000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "1571314",

"medicationIdType" : "CNK",

"medicationDescription" : "Dafalgan oploss Pediatrie 90ml 150mg/5ml"

},

"drugRoute" : "OR",

"startDate" : 1408917600000,

"beginCondition" : "# bij pijn om de 6 uur",

"regimenItems" : [],

"posology" : "180 mg ",

"instructionForPatient" : "180 mg = 6 ml\n",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/99310/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928003000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Alizapride (Litican) 15 mg\nper capsule\"",

"magistralText" : "\"Alizapride (Litican) 15 mg\nper capsule\""

},

"drugRoute" : "OR",

"startDate" : 1409695200000,

"beginCondition" : "# bij misselijkheid",

"regimenItems" : [],

"posology" : "15 mg ",

"instructionForPatient" : "1 caps = 15 mg",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/74158/1",

"source" : "Vitalink",

"registrationDate" : 1461928005000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\"",

"magistralText" : "\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\""

},

"startDate" : 1409522400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 5,

"administrationUnit" : "ML"

}, {

"time" : 39600000,

"quantity" : 5,

"administrationUnit" : "ML"

}, {

"time" : 68400000,

"quantity" : 5,

"administrationUnit" : "ML"

}

],

"instructionForPatient" : "60 sec spoelen. Na het eten en na het tandenpoetsen.\nIn koelkast bewaren.\n",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/72125/1",

"source" : "Vitalink",

"registrationDate" : 1461928007000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "99895",

"medicationIdType" : "CNK",

"medicationDescription" : "Eusaprim 200/40 100ml sir"

},

"drugRoute" : "OR",

"startDate" : 1409522400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 40,

"administrationUnit" : "MG"

}, {

"time" : 68400000,

"quantity" : 40,

"administrationUnit" : "MG"

}

],

"instructionForPatient" : "40 mg = 5 ml\nOp maandag - woendag - vrijdag.",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/14007/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928009000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2072874",

"medicationIdType" : "CNK",

"medicationDescription" : "Forlax poederzakjes Junior 20x 4 g"

},

"drugRoute" : "OR",

"startDate" : 1409263200000,

"beginCondition" : "# bij constipatie",

"regimenItems" : [],

"posology" : "1 zakje ",

"instructionForPatient" : "Zakje oplossen in water. Voldoende drinken.",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/18179/1",

"source" : "Vitalink",

"registrationDate" : 1461928012000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2657658",

"medicationIdType" : "CNK",

"medicationDescription" : "Prograft caps 100x 5mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "6 mg(totale dagdosis) om 08 17",

"instructionForPatient" : "6 mg is de totale dagdosis.",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/32883/1",

"source" : "Vitalink",

"registrationDate" : 1461928017000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "48942",

"medicationIdType" : "CNK",

"medicationDescription" : "Inderal tab 100x 40mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/34596/1",

"source" : "Vitalink",

"registrationDate" : 1461928020000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Ravicti\"",

"magistralText" : "\"Ravicti\""

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1,

"administrationUnit" : "ML"

}, {

"time" : 46800000,

"quantity" : 1,

"administrationUnit" : "ML"

}, {

"time" : 68400000,

"quantity" : 1,

"administrationUnit" : "ML"

}

],

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/65341/1",

"source" : "Vitalink",

"registrationDate" : 1461928022000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2367449",

"medicationIdType" : "CNK",

"medicationDescription" : "Amlodipine Apotex tab 100x 10mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}, {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/42695/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1463057374000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14258",

"medicationIdType" : "CNK",

"medicationDescription" : "Daktarin creme 30g 20mg/ g"

},

"drugRoute" : "DERM",

"startDate" : 1463004000000,

"stopDate" : 1466632800000,

"beginCondition" : "# bij jeuk",

"periodicity" : "W",

"regimenItems" : [{

"weekDay" : "MONDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "MONDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "TUESDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "TUESDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "WEDNESDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "WEDNESDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "THURSDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "THURSDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "FRIDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "FRIDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}

],

"patientOrigin" : false,

"active" : false,

"validated" : false,

"suspensions" : []

}

]

}

Output:

{

"value" : [{

"left" : 0,

"score" : 0.0,

"attributes" : []

}, {

"left" : 1,

"score" : 0.0,

"attributes" : []

}, {

"left" : 2,

"score" : 0.0,

"attributes" : []

}, {

"left" : 3,

"score" : 0.0,

"attributes" : []

}, {

"left" : 4,

"score" : 0.0,

"attributes" : []

}, {

"left" : 5,

"score" : 0.0,

"attributes" : []

}, {

"left" : 6,

"score" : 0.0,

"attributes" : []

}, {

"left" : 7,

"score" : 0.0,

"attributes" : []

}, {

"right" : 0,

"score" : 0.0,

"attributes" : []

}, {

"right" : 1,

"score" : 0.0,

"attributes" : []

}, {

"right" : 2,

"score" : 0.0,

"attributes" : []

}, {

"right" : 3,

"score" : 0.0,

"attributes" : []

}, {

"right" : 4,

"score" : 0.0,

"attributes" : []

}, {

"right" : 5,

"score" : 0.0,

"attributes" : []

}, {

"right" : 6,

"score" : 0.0,

"attributes" : []

}, {

"right" : 7,

"score" : 0.0,

"attributes" : []

}, {

"right" : 8,

"score" : 0.0,

"attributes" : []

}, {

"right" : 9,

"score" : 0.0,

"attributes" : []

}, {

"right" : 10,

"score" : 0.0,

"attributes" : []

}

]

}

### Maak input voor vergelijkingsinterface

Input:

<http://localhost:8080/vitalinkwebservice/api/v1/compare-medicatieschema/JSON/71032209/twinlist/subject/73100906111>

{"left":[{"source":"Andere","registrationDate":1455887699796,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"11602","medicationIdType":"AMP","medicationDescription":"Asaflow compr. (maagsapresist.) 80 mg"},"drugRoute":"OR","startDate":-2208992400000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":1.0,"administrationUnit":"COMPR"}],"patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1455887773493,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"12791","medicationIdType":"AMP","medicationDescription":"Daflon compr. 450 mg+ 50 mg"},"drugRoute":"OR","startDate":1420066800000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":1.0,"administrationUnit":"COMPR"},{"time":68400000,"quantity":1.0,"administrationUnit":"COMPR"}],"patientOrigin":false,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1456472330263,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"11465","medicationIdType":"AMP","medicationDescription":"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE"},"drugRoute":"OR","startDate":-2208992400000,"periodicity":"D","regimenItems":[{"time":61200000,"quantity":1.0,"administrationUnit":"COMPR"}],"instructionForPatient":"Calcium en vitamine d supplement, ter versteviging van de botten.","patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","type":"ONESHOT","registrationDate":1456472349853,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"13747","medicationIdType":"AMP","medicationDescription":"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]"},"drugRoute":"OR","startDate":-2208992400000,"beginCondition":"# bij constipatie","regimenItems":[],"posology":"1 zakje ","instructionForPatient":"Om de stoelgang malser te maken, in te nemen met een groot glas water. Te stoppen bij losse stoelgang.","patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1461316474790,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationIdType":"MAG","medicationDescription":"PANTOPRAZOLE EG (TABL 40 MG)","magistralText":"PANTOPRAZOLE EG (TABL 40 MG)"},"drugRoute":"OR","startDate":-2208992400000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":1.0,"administrationUnit":"COMPR"}],"instructionForPatient":"In het ziekenhuis werd PANTOMED gegeven (zelfde product)","patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1461317026950,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"14068","medicationIdType":"AMP","medicationDescription":"Lormetazepam EG compr. (deelb.) 1 mg"},"drugRoute":"OR","startDate":-2208992400000,"periodicity":"D","regimenItems":[{"time":75600000,"quantity":1.0,"administrationUnit":"COMPR"}],"instructionForPatient":"Dosis werd afgebouwd.","patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1462183284503,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"15229","medicationIdType":"AMP","medicationDescription":"Norvir compr. 100 mg"},"drugRoute":"OR","startDate":-2208992400000,"regimenItems":[],"posology":"1 tabl ","patientOrigin":true,"active":true,"validated":false,"suspensions":[]},{"source":"Andere","registrationDate":1462183295496,"patientSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"15343","medicationIdType":"AMP","medicationDescription":"Zocor compr. 40 mg"},"drugRoute":"OR","startDate":-2208992400000,"regimenItems":[],"posology":"1 tabl om 20","patientOrigin":true,"active":true,"validated":false,"suspensions":[]}],"right":[{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/98316/1","source":"Vitalink","type":"ONESHOT","registrationDate":1461927998000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationIdType":"MAG","medicationDescription":"ONDANSETRON (2 MG CAPS)","magistralText":"ONDANSETRON (2 MG CAPS)"},"drugRoute":"OR","startDate":1409695200000,"beginCondition":"# bij hevige misselijkheid","regimenItems":[],"posology":"2 mg ","instructionForPatient":"Bij voorkeur tot maximum 24 uur na einde chemo.","patientOrigin":false,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/78949/1","source":"Vitalink","type":"ONESHOT","registrationDate":1461928001000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"1571314","medicationIdType":"CNK","medicationDescription":"Dafalgan oploss Pediatrie 90ml 150mg/5ml"},"drugRoute":"OR","startDate":1408917600000,"beginCondition":"# bij pijn om de 6 uur","regimenItems":[],"posology":"180 mg ","instructionForPatient":"180 mg = 6 ml\n","patientOrigin":false,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/99310/1","source":"Vitalink","type":"ONESHOT","registrationDate":1461928003000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationIdType":"MAG","medicationDescription":"\"Alizapride (Litican) 15 mg\nper capsule\"","magistralText":"\"Alizapride (Litican) 15 mg\nper capsule\""},"drugRoute":"OR","startDate":1409695200000,"beginCondition":"# bij misselijkheid","regimenItems":[],"posology":"15 mg ","instructionForPatient":"1 caps = 15 mg","patientOrigin":false,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/74158/1","source":"Vitalink","registrationDate":1461928005000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationIdType":"MAG","medicationDescription":"\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\"","magistralText":"\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\""},"startDate":1409522400000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":5,"administrationUnit":"ML"},{"time":39600000,"quantity":5,"administrationUnit":"ML"},{"time":68400000,"quantity":5,"administrationUnit":"ML"}],"instructionForPatient":"60 sec spoelen. Na het eten en na het tandenpoetsen.\nIn koelkast bewaren.\n","patientOrigin":false,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/72125/1","source":"Vitalink","registrationDate":1461928007000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"99895","medicationIdType":"CNK","medicationDescription":"Eusaprim 200/40 100ml sir"},"drugRoute":"OR","startDate":1409522400000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":40,"administrationUnit":"MG"},{"time":68400000,"quantity":40,"administrationUnit":"MG"}],"instructionForPatient":"40 mg = 5 ml\nOp maandag - woendag - vrijdag.","patientOrigin":false,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/14007/1","source":"Vitalink","type":"ONESHOT","registrationDate":1461928009000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"2072874","medicationIdType":"CNK","medicationDescription":"Forlax poederzakjes Junior 20x 4 g"},"drugRoute":"OR","startDate":1409263200000,"beginCondition":"# bij constipatie","regimenItems":[],"posology":"1 zakje ","instructionForPatient":"Zakje oplossen in water. Voldoende drinken.","patientOrigin":true,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/18179/1","source":"Vitalink","registrationDate":1461928012000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"2657658","medicationIdType":"CNK","medicationDescription":"Prograft caps 100x 5mg"},"drugRoute":"OR","startDate":-2208992400000,"regimenItems":[],"posology":"6 mg(totale dagdosis) om 08 17","instructionForPatient":"6 mg is de totale dagdosis.","patientOrigin":true,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/32883/1","source":"Vitalink","registrationDate":1461928017000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"48942","medicationIdType":"CNK","medicationDescription":"Inderal tab 100x 40mg"},"drugRoute":"OR","startDate":-2208992400000,"regimenItems":[],"posology":"1 tabl om 20","patientOrigin":true,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/34596/1","source":"Vitalink","registrationDate":1461928020000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationIdType":"MAG","medicationDescription":"\"Ravicti\"","magistralText":"\"Ravicti\""},"drugRoute":"OR","startDate":-2208992400000,"periodicity":"D","regimenItems":[{"time":25200000,"quantity":1,"administrationUnit":"ML"},{"time":46800000,"quantity":1,"administrationUnit":"ML"},{"time":68400000,"quantity":1,"administrationUnit":"ML"}],"patientOrigin":true,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/65341/1","source":"Vitalink","registrationDate":1461928022000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"2367449","medicationIdType":"CNK","medicationDescription":"Amlodipine Apotex tab 100x 10mg"},"drugRoute":"OR","startDate":-2208992400000,"regimenItems":[],"posology":"1 tabl om 20","patientOrigin":true,"active":false,"validated":true,"suspensions":[]},{"uri":"/Vitalink/390/subject/73100906111/medication-scheme/42695/1","source":"Vitalink","type":"ONESHOT","registrationDate":1463057374000,"patientSSIN":"73100906111","medicSSIN":"74091621351","orgNIHII":"71032209","intendedMedication":{"medicationId":"14258","medicationIdType":"CNK","medicationDescription":"Daktarin creme 30g 20mg/ g"},"drugRoute":"DERM","startDate":1463004000000,"stopDate":1466632800000,"beginCondition":"# bij jeuk","periodicity":"W","regimenItems":[{"weekDay":"MONDAY","time":25200000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"MONDAY","time":68400000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"TUESDAY","time":25200000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"TUESDAY","time":68400000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"WEDNESDAY","time":25200000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"WEDNESDAY","time":68400000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"THURSDAY","time":25200000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"THURSDAY","time":68400000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"FRIDAY","time":25200000,"quantity":50,"administrationUnit":"MG"},{"weekDay":"FRIDAY","time":68400000,"quantity":50,"administrationUnit":"MG"}],"patientOrigin":false,"active":false,"validated":false,"suspensions":[]}],"value":[{"left":0,"score":0.0,"attributes":[]},{"left":1,"score":0.0,"attributes":[]},{"left":2,"score":0.0,"attributes":[]},{"left":3,"score":0.0,"attributes":[]},{"left":4,"score":0.0,"attributes":[]},{"left":5,"score":0.0,"attributes":[]},{"left":6,"score":0.0,"attributes":[]},{"left":7,"score":0.0,"attributes":[]},{"right":0,"score":0.0,"attributes":[]},{"right":1,"score":0.0,"attributes":[]},{"right":2,"score":0.0,"attributes":[]},{"right":3,"score":0.0,"attributes":[]},{"right":4,"score":0.0,"attributes":[]},{"right":5,"score":0.0,"attributes":[]},{"right":6,"score":0.0,"attributes":[]},{"right":7,"score":0.0,"attributes":[]},{"right":8,"score":0.0,"attributes":[]},{"right":9,"score":0.0,"attributes":[]},{"right":10,"score":0.0,"attributes":[]}]}

Output:

{

patientFirstName : "NUMMER 365",

patientLastName : "BSS OPLEIDINGPATIENT",

patientAge : 43,

patientGender : "FEMALE",

nihiiOrg : "71032209",

unique1 : [0, 1, 2, 3, 4, 5, 6, 7],

unique2 : [8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18],

identical : [],

similar : [],

csv : "id,origin,recorded name,generic name,brand name,dose,route,frequency,drug classes,diagnoses\n" + "0,list0,\"Asaflow compr. (maagsapresist.) 80 mg\",\"Asaflow compr. (maagsapresist.) 80 mg\",\"Asaflow compr. (maagsapresist.) 80 mg\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "1,list0,\"Daflon compr. 450 mg+ 50 mg\",\"Daflon compr. 450 mg+ 50 mg\",\"Daflon compr. 450 mg+ 50 mg\",\"1.0 compr. 1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "2,list0,\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "3,list0,\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"1 zakje \",\"or.\",\"?\", \"\",\n" + "4,list0,\"PANTOPRAZOLE EG (TABL 40 MG)\",\"PANTOPRAZOLE EG (TABL 40 MG)\",\"PANTOPRAZOLE EG (TABL 40 MG)\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "5,list0,\"Lormetazepam EG compr. (deelb.) 1 mg\",\"Lormetazepam EG compr. (deelb.) 1 mg\",\"Lormetazepam EG compr. (deelb.) 1 mg\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "6,list0,\"Norvir compr. 100 mg\",\"Norvir compr. 100 mg\",\"Norvir compr. 100 mg\",\"1 tabl \",\"or.\",\"?\", \"\",\n" + "7,list0,\"Zocor compr. 40 mg\",\"Zocor compr. 40 mg\",\"Zocor compr. 40 mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "8,list1,\"ONDANSETRON (2 MG CAPS)\",\"ONDANSETRON (2 MG CAPS)\",\"ONDANSETRON (2 MG CAPS)\",\"2 mg \",\"or.\",\"?\", \"\",\n" + "9,list1,\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"180 mg \",\"or.\",\"?\", \"\",\n" + "10,list1,\"Alizapride (Litican) 15 mg per capsule\",\"Alizapride (Litican) 15 mg per capsule\",\"Alizapride (Litican) 15 mg per capsule\",\"15 mg \",\"or.\",\"?\", \"\",\n" + "11,list1,\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"5 Ml 5 Ml 5 Ml\",\"?\",\"Per dag\", \"\",\n" + "12,list1,\"Eusaprim 200/40 100ml sir\",\"Eusaprim 200/40 100ml sir\",\"Eusaprim 200/40 100ml sir\",\"40 Milligram 40 Milligram\",\"or.\",\"Per dag\", \"\",\n" + "13,list1,\"Forlax poederzakjes Junior 20x 4 g\",\"Forlax poederzakjes Junior 20x 4 g\",\"Forlax poederzakjes Junior 20x 4 g\",\"1 zakje \",\"or.\",\"?\", \"\",\n" + "14,list1,\"Prograft caps 100x 5mg\",\"Prograft caps 100x 5mg\",\"Prograft caps 100x 5mg\",\"6 mg(totale dagdosis) om 08 17\",\"or.\",\"?\", \"\",\n" + "15,list1,\"Inderal tab 100x 40mg\",\"Inderal tab 100x 40mg\",\"Inderal tab 100x 40mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "16,list1,\"Ravicti\",\"Ravicti\",\"Ravicti\",\"1 Ml 1 Ml 1 Ml\",\"or.\",\"Per dag\", \"\",\n" + "17,list1,\"Amlodipine Apotex tab 100x 10mg\",\"Amlodipine Apotex tab 100x 10mg\",\"Amlodipine Apotex tab 100x 10mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "18,list1,\"Daktarin creme 30g 20mg/ g\",\"Daktarin creme 30g 20mg/ g\",\"Daktarin creme 30g 20mg/ g\",\"50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram\",\"derm.\",\"Per 7 dagen\", \"\",",

other\_data : {

0 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1455887699796,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11602",

"medicationIdType" : "AMP",

"medicationDescription" : "Asaflow compr. (maagsapresist.) 80 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

1 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1455887773493,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "12791",

"medicationIdType" : "AMP",

"medicationDescription" : "Daflon compr. 450 mg+ 50 mg"

},

"drugRoute" : "OR",

"startDate" : 1420066800000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}, {

"time" : 68400000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : false,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

2 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1456472330263,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11465",

"medicationIdType" : "AMP",

"medicationDescription" : "Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 61200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Calcium en vitamine d supplement, ter versteviging van de botten.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

3 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"type" : "ONESHOT",

"registrationDate" : 1456472349853,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "13747",

"medicationIdType" : "AMP",

"medicationDescription" : "Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"beginCondition" : "# bij constipatie",

"regimenItems" : [],

"posology" : "1 zakje ",

"instructionForPatient" : "Om de stoelgang malser te maken, in te nemen met een groot glas water. Te stoppen bij losse stoelgang.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

4 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1461316474790,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "PANTOPRAZOLE EG (TABL 40 MG)",

"magistralText" : "PANTOPRAZOLE EG (TABL 40 MG)"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "In het ziekenhuis werd PANTOMED gegeven (zelfde product)",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

5 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1461317026950,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14068",

"medicationIdType" : "AMP",

"medicationDescription" : "Lormetazepam EG compr. (deelb.) 1 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 75600000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Dosis werd afgebouwd.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

6 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1462183284503,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15229",

"medicationIdType" : "AMP",

"medicationDescription" : "Norvir compr. 100 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl ",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

7 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1462183295496,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15343",

"medicationIdType" : "AMP",

"medicationDescription" : "Zocor compr. 40 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

8 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/98316/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461927998000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351"

### Toon de vergelijkingsinterface

Input:

<http://localhost:8080/vitalinkwebservice/comparisonUI>

{

patientFirstName : "NUMMER 365",

patientLastName : "BSS OPLEIDINGPATIENT",

patientAge : 43,

patientGender : "FEMALE",

nihiiOrg : "71032209",

unique1 : [0, 1, 2, 3, 4, 5, 6, 7],

unique2 : [8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18],

identical : [],

similar : [],

csv : "id,origin,recorded name,generic name,brand name,dose,route,frequency,drug classes,diagnoses\n" + "0,list0,\"Asaflow compr. (maagsapresist.) 80 mg\",\"Asaflow compr. (maagsapresist.) 80 mg\",\"Asaflow compr. (maagsapresist.) 80 mg\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "1,list0,\"Daflon compr. 450 mg+ 50 mg\",\"Daflon compr. 450 mg+ 50 mg\",\"Daflon compr. 450 mg+ 50 mg\",\"1.0 compr. 1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "2,list0,\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "3,list0,\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]\",\"1 zakje \",\"or.\",\"?\", \"\",\n" + "4,list0,\"PANTOPRAZOLE EG (TABL 40 MG)\",\"PANTOPRAZOLE EG (TABL 40 MG)\",\"PANTOPRAZOLE EG (TABL 40 MG)\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "5,list0,\"Lormetazepam EG compr. (deelb.) 1 mg\",\"Lormetazepam EG compr. (deelb.) 1 mg\",\"Lormetazepam EG compr. (deelb.) 1 mg\",\"1.0 compr.\",\"or.\",\"Per dag\", \"\",\n" + "6,list0,\"Norvir compr. 100 mg\",\"Norvir compr. 100 mg\",\"Norvir compr. 100 mg\",\"1 tabl \",\"or.\",\"?\", \"\",\n" + "7,list0,\"Zocor compr. 40 mg\",\"Zocor compr. 40 mg\",\"Zocor compr. 40 mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "8,list1,\"ONDANSETRON (2 MG CAPS)\",\"ONDANSETRON (2 MG CAPS)\",\"ONDANSETRON (2 MG CAPS)\",\"2 mg \",\"or.\",\"?\", \"\",\n" + "9,list1,\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"Dafalgan oploss Pediatrie 90ml 150mg/5ml\",\"180 mg \",\"or.\",\"?\", \"\",\n" + "10,list1,\"Alizapride (Litican) 15 mg per capsule\",\"Alizapride (Litican) 15 mg per capsule\",\"Alizapride (Litican) 15 mg per capsule\",\"15 mg \",\"or.\",\"?\", \"\",\n" + "11,list1,\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"Chloorhexidine banaan mondspoeling: Chloorhexidinedigluconaat 20% 1.8 ml Sorbitolsiroop 70% 150g Banaanextract kleurloos (Federa) 1500mg Water ad 300ml\",\"5 Ml 5 Ml 5 Ml\",\"?\",\"Per dag\", \"\",\n" + "12,list1,\"Eusaprim 200/40 100ml sir\",\"Eusaprim 200/40 100ml sir\",\"Eusaprim 200/40 100ml sir\",\"40 Milligram 40 Milligram\",\"or.\",\"Per dag\", \"\",\n" + "13,list1,\"Forlax poederzakjes Junior 20x 4 g\",\"Forlax poederzakjes Junior 20x 4 g\",\"Forlax poederzakjes Junior 20x 4 g\",\"1 zakje \",\"or.\",\"?\", \"\",\n" + "14,list1,\"Prograft caps 100x 5mg\",\"Prograft caps 100x 5mg\",\"Prograft caps 100x 5mg\",\"6 mg(totale dagdosis) om 08 17\",\"or.\",\"?\", \"\",\n" + "15,list1,\"Inderal tab 100x 40mg\",\"Inderal tab 100x 40mg\",\"Inderal tab 100x 40mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "16,list1,\"Ravicti\",\"Ravicti\",\"Ravicti\",\"1 Ml 1 Ml 1 Ml\",\"or.\",\"Per dag\", \"\",\n" + "17,list1,\"Amlodipine Apotex tab 100x 10mg\",\"Amlodipine Apotex tab 100x 10mg\",\"Amlodipine Apotex tab 100x 10mg\",\"1 tabl om 20\",\"or.\",\"?\", \"\",\n" + "18,list1,\"Daktarin creme 30g 20mg/ g\",\"Daktarin creme 30g 20mg/ g\",\"Daktarin creme 30g 20mg/ g\",\"50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram 50 Milligram\",\"derm.\",\"Per 7 dagen\", \"\",",

other\_data : {

0 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1455887699796,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11602",

"medicationIdType" : "AMP",

"medicationDescription" : "Asaflow compr. (maagsapresist.) 80 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

1 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1455887773493,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "12791",

"medicationIdType" : "AMP",

"medicationDescription" : "Daflon compr. 450 mg+ 50 mg"

},

"drugRoute" : "OR",

"startDate" : 1420066800000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}, {

"time" : 68400000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"patientOrigin" : false,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

2 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1456472330263,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "11465",

"medicationIdType" : "AMP",

"medicationDescription" : "Steovit 1000/800 kauwcompr. Forte 1 g+ 800 IE"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 61200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Calcium en vitamine d supplement, ter versteviging van de botten.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

3 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"type" : "ONESHOT",

"registrationDate" : 1456472349853,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "13747",

"medicationIdType" : "AMP",

"medicationDescription" : "Movicol poeder (zakjes) Neutral 13 g+ 350 mg+ 178 mg[+3]"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"beginCondition" : "# bij constipatie",

"regimenItems" : [],

"posology" : "1 zakje ",

"instructionForPatient" : "Om de stoelgang malser te maken, in te nemen met een groot glas water. Te stoppen bij losse stoelgang.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

4 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1461316474790,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "PANTOPRAZOLE EG (TABL 40 MG)",

"magistralText" : "PANTOPRAZOLE EG (TABL 40 MG)"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "In het ziekenhuis werd PANTOMED gegeven (zelfde product)",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

5 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1461317026950,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14068",

"medicationIdType" : "AMP",

"medicationDescription" : "Lormetazepam EG compr. (deelb.) 1 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 75600000,

"quantity" : 1.0,

"administrationUnit" : "COMPR"

}

],

"instructionForPatient" : "Dosis werd afgebouwd.",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

6 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1462183284503,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15229",

"medicationIdType" : "AMP",

"medicationDescription" : "Norvir compr. 100 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl ",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

7 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"source" : "Andere",

"registrationDate" : 1462183295496,

"patientSSIN" : "73100906111",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "15343",

"medicationIdType" : "AMP",

"medicationDescription" : "Zocor compr. 40 mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : true,

"validated" : false,

"suspensions" : []

}

},

8 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/98316/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461927998000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "ONDANSETRON (2 MG CAPS)",

"magistralText" : "ONDANSETRON (2 MG CAPS)"

},

"drugRoute" : "OR",

"startDate" : 1409695200000,

"beginCondition" : "# bij hevige misselijkheid",

"regimenItems" : [],

"posology" : "2 mg ",

"instructionForPatient" : "Bij voorkeur tot maximum 24 uur na einde chemo.",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

9 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/78949/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928001000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "1571314",

"medicationIdType" : "CNK",

"medicationDescription" : "Dafalgan oploss Pediatrie 90ml 150mg/5ml"

},

"drugRoute" : "OR",

"startDate" : 1408917600000,

"beginCondition" : "# bij pijn om de 6 uur",

"regimenItems" : [],

"posology" : "180 mg ",

"instructionForPatient" : "180 mg = 6 ml\n",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

10 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/99310/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928003000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Alizapride (Litican) 15 mg\nper capsule\"",

"magistralText" : "\"Alizapride (Litican) 15 mg\nper capsule\""

},

"drugRoute" : "OR",

"startDate" : 1409695200000,

"beginCondition" : "# bij misselijkheid",

"regimenItems" : [],

"posology" : "15 mg ",

"instructionForPatient" : "1 caps = 15 mg",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

11 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/74158/1",

"source" : "Vitalink",

"registrationDate" : 1461928005000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\"",

"magistralText" : "\"Chloorhexidine banaan mondspoeling:\nChloorhexidinedigluconaat 20% 1.8 ml\nSorbitolsiroop 70% 150g\nBanaanextract kleurloos (Federa) 1500mg\nWater ad 300ml\""

},

"startDate" : 1409522400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 5,

"administrationUnit" : "ML"

}, {

"time" : 39600000,

"quantity" : 5,

"administrationUnit" : "ML"

}, {

"time" : 68400000,

"quantity" : 5,

"administrationUnit" : "ML"

}

],

"instructionForPatient" : "60 sec spoelen. Na het eten en na het tandenpoetsen.\nIn koelkast bewaren.\n",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

12 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/72125/1",

"source" : "Vitalink",

"registrationDate" : 1461928007000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "99895",

"medicationIdType" : "CNK",

"medicationDescription" : "Eusaprim 200/40 100ml sir"

},

"drugRoute" : "OR",

"startDate" : 1409522400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 40,

"administrationUnit" : "MG"

}, {

"time" : 68400000,

"quantity" : 40,

"administrationUnit" : "MG"

}

],

"instructionForPatient" : "40 mg = 5 ml\nOp maandag - woendag - vrijdag.",

"patientOrigin" : false,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

13 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/14007/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1461928009000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2072874",

"medicationIdType" : "CNK",

"medicationDescription" : "Forlax poederzakjes Junior 20x 4 g"

},

"drugRoute" : "OR",

"startDate" : 1409263200000,

"beginCondition" : "# bij constipatie",

"regimenItems" : [],

"posology" : "1 zakje ",

"instructionForPatient" : "Zakje oplossen in water. Voldoende drinken.",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

14 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/18179/1",

"source" : "Vitalink",

"registrationDate" : 1461928012000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2657658",

"medicationIdType" : "CNK",

"medicationDescription" : "Prograft caps 100x 5mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "6 mg(totale dagdosis) om 08 17",

"instructionForPatient" : "6 mg is de totale dagdosis.",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

15 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/32883/1",

"source" : "Vitalink",

"registrationDate" : 1461928017000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "48942",

"medicationIdType" : "CNK",

"medicationDescription" : "Inderal tab 100x 40mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

16 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/34596/1",

"source" : "Vitalink",

"registrationDate" : 1461928020000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationIdType" : "MAG",

"medicationDescription" : "\"Ravicti\"",

"magistralText" : "\"Ravicti\""

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"periodicity" : "D",

"regimenItems" : [{

"time" : 25200000,

"quantity" : 1,

"administrationUnit" : "ML"

}, {

"time" : 46800000,

"quantity" : 1,

"administrationUnit" : "ML"

}, {

"time" : 68400000,

"quantity" : 1,

"administrationUnit" : "ML"

}

],

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

17 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/65341/1",

"source" : "Vitalink",

"registrationDate" : 1461928022000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "2367449",

"medicationIdType" : "CNK",

"medicationDescription" : "Amlodipine Apotex tab 100x 10mg"

},

"drugRoute" : "OR",

"startDate" : -2208992400000,

"regimenItems" : [],

"posology" : "1 tabl om 20",

"patientOrigin" : true,

"active" : false,

"validated" : true,

"suspensions" : []

}

},

18 : {

"\_\_ATTR\_FULLDATA\_\_" : {

"uri" : "/Vitalink/390/subject/73100906111/medication-scheme/42695/1",

"source" : "Vitalink",

"type" : "ONESHOT",

"registrationDate" : 1463057374000,

"patientSSIN" : "73100906111",

"medicSSIN" : "74091621351",

"orgNIHII" : "71032209",

"intendedMedication" : {

"medicationId" : "14258",

"medicationIdType" : "CNK",

"medicationDescription" : "Daktarin creme 30g 20mg/ g"

},

"drugRoute" : "DERM",

"startDate" : 1463004000000,

"stopDate" : 1466632800000,

"beginCondition" : "# bij jeuk",

"periodicity" : "W",

"regimenItems" : [{

"weekDay" : "MONDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "MONDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "TUESDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "TUESDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "WEDNESDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "WEDNESDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "THURSDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "THURSDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "FRIDAY",

"time" : 25200000,

"quantity" : 50,

"administrationUnit" : "MG"

}, {

"weekDay" : "FRIDAY",

"time" : 68400000,

"quantity" : 50,

"administrationUnit" : "MG"

}

],

"patientOrigin" : false,

"active" : false,

"validated" : false,

"suspensions" : []

}

}

}

}

## Substitutieservice

### Substitueer medicatie

Input:

http://localhost:8080/vitalinkwebservice/api/v1/substitute-medication/JSON/71032209

{"medicationId":"14258","medicationIdType":"CNK","medicationDescription":"Daktarin creme 30g 20mg/ g"}

Output:

{"medicationList":[{"medicationId":"14258","medicationIdType":"CNK","medicationDescription":"Daktarin creme 30g 20mg/ g"}]}

## Voorschrijfservice

Input:

http://playkws-jboss/recipewebservice/api/v1/prescription/JSON/71032209/Recipe/subject/73100906111/prescription

{"items":[{"prescriptionDate":1463522400000,"prescriberSSIN":"73100906111","prescriberNihiiOrg":"71032209","prescriptionType":"P1","quantity":1,"medicatieSchemaItem":{"registrationDate":1463522400000,"medicSSIN":"73100906111","orgNIHII":"71032209","intendedMedication":{"medicationId":"0278192","medicationIdType":"CNK","medicationDescription":"CLEXANE"},"regimenItems":[],"posology":"1 spuit 2 per dag ","patientOrigin":false,"active":true,"validated":true,"suspensions":[]},"source":"Recip-e"}]}

Output:

HTTP/1.1 201 Created}{Server: Apache-Coyote/1.1}{Content-Location: recipe:BEP1VFLNLGAP}{Content-Length: 0}{Date: Wed, 18 May 2016 14:36:08 GMT}