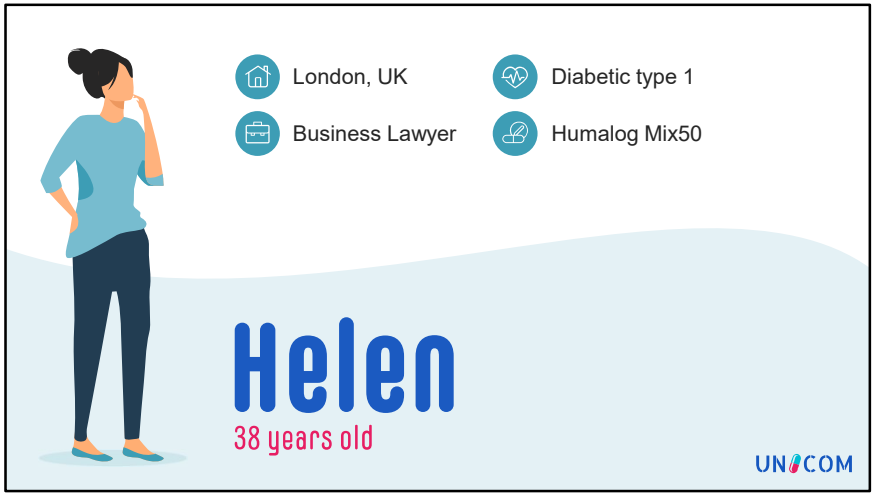
WP1	Demonstrator
Version:	**1.0**
Status:	**Open to comments**
Dissemination Level:	**PU**
Date of document:	**30.06.2022**
Work Package:	**WP1: IDMP-related standards and terminologies**
Lead partner for this deliverable:	**NICTIZ**
Partner(s) contributing:	**CEN, HL7, WHO-UMC, ISO, GS1 ***
Document type:	**DEMONSTRATOR**

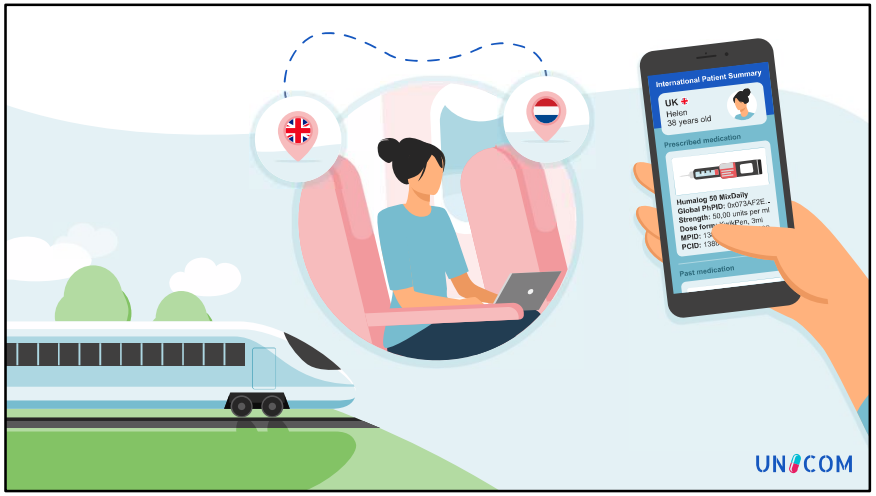
This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement No. 875299

*A kind thank you to the Gravitate Health project team for its collaboration and a tribute to the HL7 FHIR Connectathon in 2021 and 2022 that provided the platform for the scenario-testing

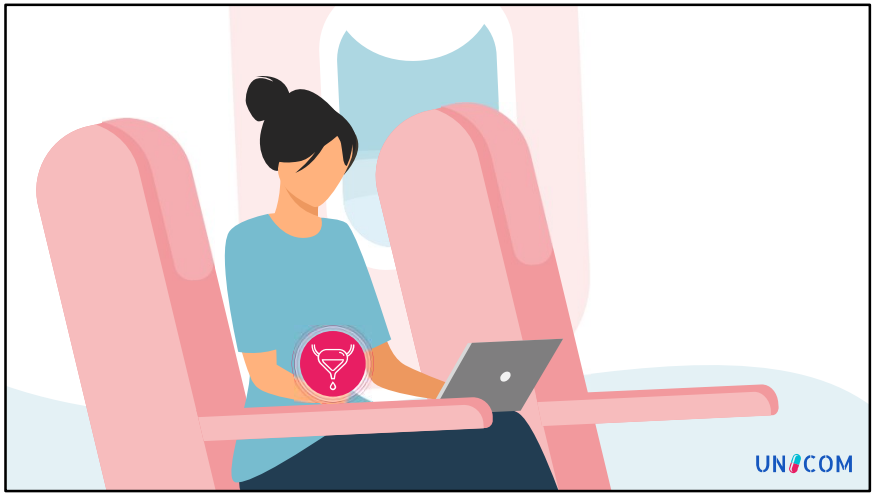
UNICOM



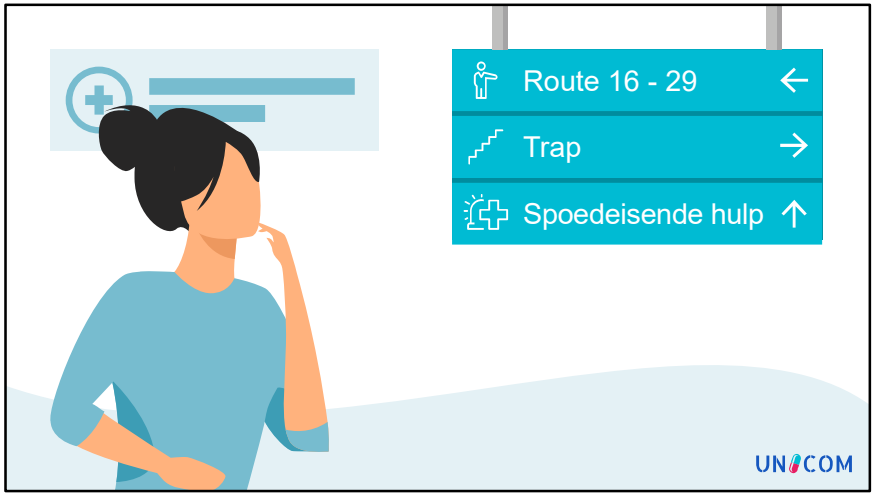
Helen is a 38 year old business lawyer. She lives in the UK and travels often to other European countries for work. She has Diabetes type 1 which she controls with medication (Humalog Mix50 daily).



Helen has an app in which she collects her medical information. She is on a business trip to the Netherlands and is preparing a meeting for later that day.

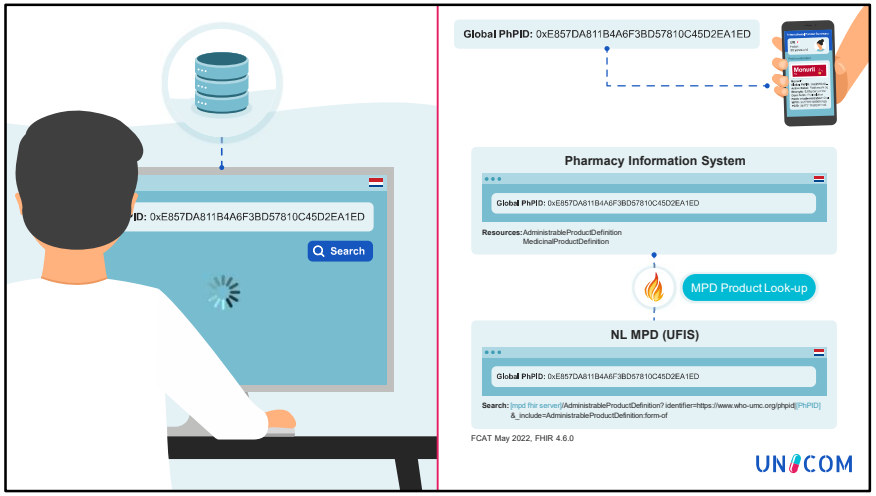


While she is preparing for her meeting she gets a heavy lower stomach ache that she recognizes. She thinks she might have another Urinary Tract Infection (UTI). A UTI is quite a common incident for patients with her profile, therefore we can assume that this has happened to Helen before and she is familiar with the symptoms of the UTI.



She doesn't know what product to take in the Netherlands but we know that if she would go to the pharmacy in the UK, she would be given Monuril (and we can assume that she remembers this from past incidents at home. This is also registered in her IPS). Since she is not feeling well she goes to the emergency department of a hospital. Spoedeisende Hulp is Dutch for Emergency Department

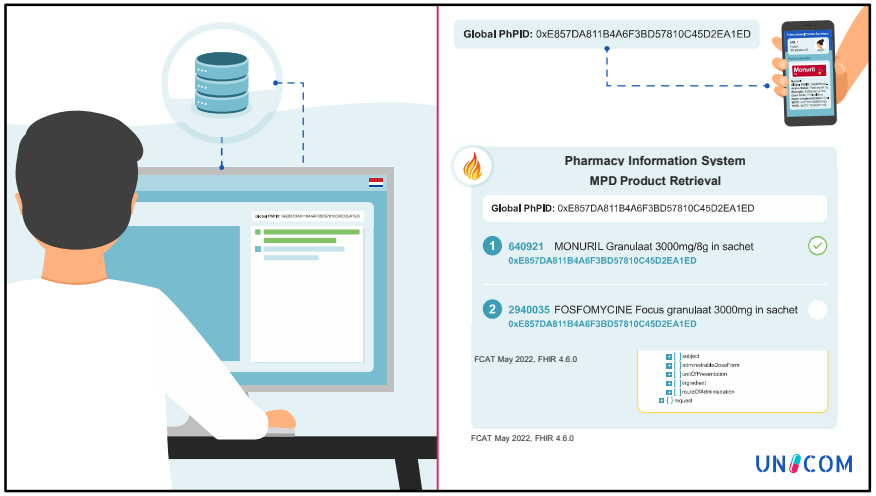
At the emergency department she shows her Medication app which includes her International Patient Summary (IPS). In this case the IPS shows, next to the brand name, strength and dose form, the global PhPID (L4) of the current medication that is prescribed to Helen in her home country e.g. Humalog Mix 50 daily (global PhPID: 0x073AF2E5B92AE19E8B67635AFFB3D6CA) for her Diabetes type I. The IPS also contains her previous prescribed medicinal products and therefore shows the global PhPID (L4) for Monuril® fosfomycin (as trometamol) 3g per sachet granules for oral solution (global PhPID: 0xE857DA811B4A6F3BD57810C45D2EA1ED).
Disclaimer: the MPID, PCID and GTIN are all 'dummy data' but as close to reality as possible.



The doctor (pharmacist) searches in the Pharmacy Information System or MPD on the global PhPID (Monuril) from Helen's Medication app.

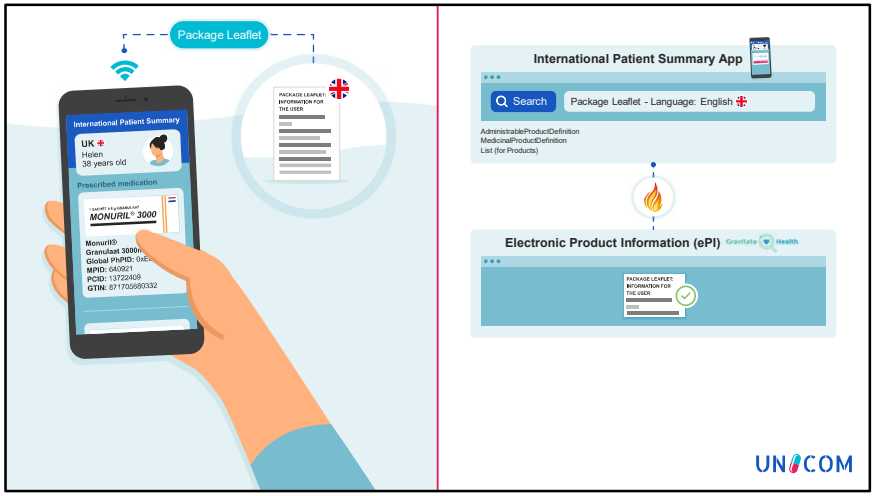
N.B. (1) This is one of the possible searches that can be used to get MPs from PHPID E.g. you can use the _revinclude and get only the MedicinalProductDefinitions; or you can obtain the same functional results with other kind of resources (e.g. MedicationKnowledge)

N.B. (2) In the near future we can/should enhance the scenario with the myHealth@EU ePrescription services.

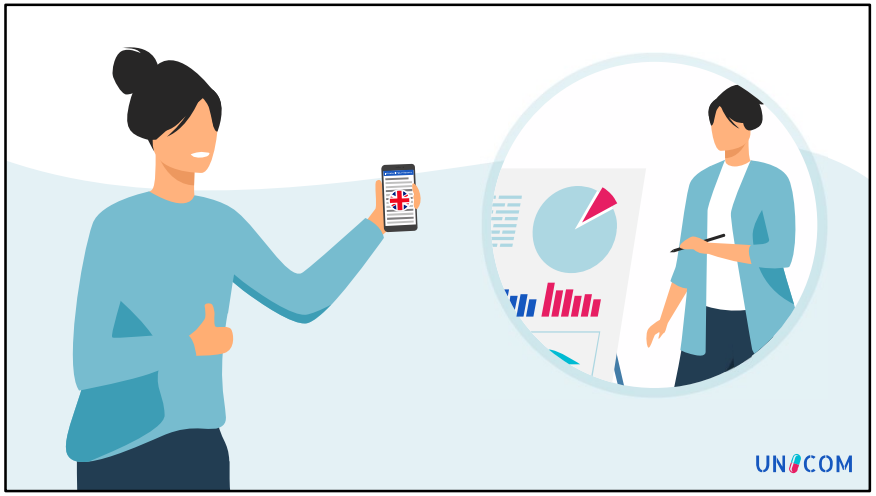


The doctor (pharmacist) retrieves, from the national MPD, a list of equivalent national medicinal products (Brand name, strength and dose form) having the same PhPID (Monuril) as the product that Helen has in her own country.
The doctor (pharmacist) chooses the best option taking into account the information in Helen's IPS regarding allergies of the retrieved products. The doctor (pharmacist) then places the medication order in the system after which Helen is able to pick up the medication at the hospital pharmacy
This is one of the possible searches usable to get MPs from PHPID E.g. you can use the _revinclude and get only the MedicinalProductDefinitions; or you can obtain the same functional results with other kind of resources (e.g. MedicationKnowledge)

Helen picks up the medicines at the hospital pharmacy. Helen scans the barcode on the medicinal product she received to include it in the medication list in her app.



As the product insert provided is only in Dutch, and she does want to review any known side effects of Monuril, she searches for an English language version of the electronic Product Information. Helen uses her app to connect to the Gravitate Health ePI service which will give her personalized information on the Dutch variant of the drug she knows.



Helen can read the English prescription in her app, she is very relieved. She takes the medication without any worries. That afternoon she gives the presentation without any pain and is very happy it all ended up well!

UNICOM