OHDSI Medical Device WG

Updates for the OHDSI Community Call on March 9, 2021

Prepared by Asiyah Lin on March 5, 2021
Initiation: to grow a community for medical device RWE research

https://forums.ohdsi.org/t/new-working-group-medical-device-working-group/8178

### New working group: Medical Device Working group

<table>
<thead>
<tr>
<th>created</th>
<th>last reply</th>
<th>75 replies</th>
<th>2.1k views</th>
<th>33 users</th>
<th>11 likes</th>
<th>9 links</th>
</tr>
</thead>
<tbody>
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#### Frequent Posters

- A
- D
- L
- 5
- M
- T
- K
- M
- E
- C
- H
- D
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- S
- K
- U
- T

#### Popular Links

1. 32 projects:workgroups:devices [Observational Health Data Sciences and Informatics] ohdsi.org
2. Microsoft Forms office.com
3. //forums.ohdsi.org/uploads/default/original/2X/e/ee27c27beb6f6ef87ffa2a299a1039dab8...
4. AccessGUDID - Identify Your Medical Device nih.gov
5. Data available for medical device safety studies? ohdsi.org
Device WG

Objective: Conduct research centered on use of devices

Project Co-Leads: Asiyah Lin, Vojtech Huser

Initiator: Asiyah Lin

Start Date: fall 2019

Repository: pending

Meeting frequency:
The 4th Thursday 10AM EST/EDT bi-monthly a year (5 times a year)

January 28, 2021

Vojtech Huser  12/9/20 11:14 AM  Edited
Pinned - When we meet - Scheduled a meeting

DEVICE WG (OHDSI, 2021, via Teams)
Occurs every other month on Fourth Thursday @10:00 AM until 12/31/22

15 replies from Vojtech, Elisse, and Asiyah

Reply
Current

• 25 members
  • Industry
  • Academia
  • Government
  • Small business
• 4 meetings:
  • GMDN, UDI and SNOMED talks.
• 1 GitHub issue

UDI representation in CDM needs improvement #353

Currently the CDM only represent the UDI as a full string and the size of the string is too small (50 characters) to capture a full UDI string in many cases.

UDI should be parsed before being represented in OMOP CDM. The UDI has multiple parts - UDI-DI (device identifier of UDI) and UDI-P1 (production identifier of UDI) and UDI-P1 has sub-parts - lot, serial, expiration date, manufacturer date, distinct identification code. See https://www.fda.gov/media/96648/download for more details.

• per email between Asiyah Lin, Terrie Reed, and Andrew Williams.

https://github.com/OHDSI/CommonDataModel/issues/353
Future

- Invite medical device researchers to demonstrate their work on EHR data or any other Real World Data
- Invite speaker from MDEpiNet, NEST or RAPID CDM
- Work with CDM group to implement the UDI issue
- 2021 proposed tasks:
  - Evaluate the Device_Exposure table usability in different countries or projects.
  - Paclitaxel stents evaluation
  - Please submit your ideas here: https://github.com/minforte...
The group is forming!

- We are calling for leaders and collaborations!
- Please contact:
  - Huser, Vojtech (NIH/NLM/LHC) [E] vojtech.huser@nih.gov
  - Lin, Asiyah (NIH/NHGRI) [E] asiyah.lin@nih.gov