



WG Name: OHDSI Medical Device WG

WG Lead: Asiyah Lin & subgroup leaders

Objective 1 : Expand the leadership team and establish collaborations across OHDSI and beyond

Key results:

1. 1Q2023 : Establish subgroups (device generated data, device data and device adverse events) and leadership teams.
2. 1Q2023 : Respond to FDA medical device active surveillance RFI by Mar. 30, 2023.
3. 2-3Q2023: Develop activities to establish collaborations with other related WG or efforts: Sugery WG and Ehden
4. 3Q2023: Plan Think-a-thon or Hackathon at the OHDSI annual symposium



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- Device Data subgroup

Subgroup Lead: Anthony Molinaro & Carrie Bosela

Objective 2 : Enable the device standardization efforts to be interoperable with OMOP to support large scale device data analysis

Key results:

1.1-2Q 2023: Explore current OHDSI datasets for device data coverage.

2.1-2Q 2023 Explore and evaluate by extending OMOP by adding a device table

3.2-3Q2023: Explore tools and method to include device data in OMOP vocabulary





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-Device Generated Data subgroup

Subgroup Lead: Andrew Williams, Manlik Kwong

Objective 3: Develop standard strategy for managing and representing features waveform and other device-generated data:

1. Clarify OMOP Standard concept coverage gaps for features from 12-lead ECG Data and ICU monitor data
2. Develop strategy for addressing concept gaps
3. Test previously developed strategy for mapping covered concepts using MIMIC-4 Waveform Database waveform and "numerics" data





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- Device Adverse Event subgroup

Subgroup Lead: vacant

Objective 4: Establish the subgroup, identify leaders, and develop OKR

Key results:

1. 1Q2023 : Identify leader for this group.
2. 2Q2023: develop OKR