



## Autumn 2021 WORKING GROUP MEETING MINUTES: Databases and Coding

Meeting details	
<b>Meeting location</b>	Teleconference
<b>Meeting date</b>	Thurs 23 <sup>rd</sup> Sept 2021
<b>Meeting time</b>	9:00-10:00 CET
<b>Chair(s)</b>	Katia Verhamme & Jenni Quint
<b>Attendees</b>	Joan Soriano Francis Appiagyei Sarah Lucas Marije van Melle Janwillem Kocks
Objectives	
<b>1</b>	Update on current project- TORPEDO
<b>2</b>	New ideas- CDM project
<b>3</b>	AOB
Items	
<b>Update on current project</b>	<p><b>Towards the Optimum Reporting of Pulmonary Effectiveness Databases and Outcomes (TORPEDO) – Phase 1 modified Delphi which determined the minimally required database variables.</b> Manuscript has been rejected by 3 journals. Now submitted to Pragmatic and Observational Research. If not accepted, then we will submit to medRxiv.org</p> <p><b>TORPEDO Phase II involves identification of databases suitable for respiratory (pharmaco) epidemiology and check whether they contain minimum criteria/variables as identified in phase I of TORPEDO.</b> Agreed it was worth taking this forward</p> <p>ACTION POINT: Jenni will look at whether someone working for BREATHE could do some work on this. Sarah will share the draft proposal for phase II with Jenni.</p>



<p><b>New project ideas</b></p>	<p><b>Common Data Model - How could REG contribute to this?</b> Opinion piece/ Letter to the editor on respiratory epidemiology and the Common Data Model, using WG members experience to highlight potential <b>issues/challenges</b> and suggest <b>best practice</b> going forward.</p> <p>Is mapping of respiratory drugs, diseases and measurements appropriate? - How well is spirometry mapped? - Issues with ATC drug codes mapped to RxNorm     e.g. misclassification of inhaled or nasal steroids     e.g. difficulties in identifying whether loose or fixed combinations</p> <p>Kent, S., Burn, E., Dawoud, D. <i>et al.</i> Common Problems, Common Data Model Solutions: Evidence Generation for Health Technology Assessment. <i>Pharmacoeconomics</i> <b>39</b>, 275–285 (2021). Highlighted issue with the mapping of FEV1%.</p> <p>Observational Health Data Sciences and Informatics (OHDSI) forum has a discussion on how to store spirometry measurements in the CDM.</p> <p>Suggested to look through the TORPEDO variables to identify priority areas where better mapping is needed. e.g. diagnosis mapping is generally ok, but spirometry and blood count data mapping are more difficult. Issues with pre- and post-bronchodilator measurements.</p> <p>There is a need to address issues with the mapping of variables in general, as well as at the level of specific databases.</p> <p>Katia has suggested a special interest group on optimizing mapping of spirometry data within OHDSI and members of this working group could contribute. Perhaps need to focus first on the issues with the mapping and develop possible ideas/strategies to overcome these.</p> <p>OPCRD received EHDEN funding for mapping and are working on mapping to OMOP. Perhaps use case with OPCRD.</p> <p>Interest in doing an opinion piece but it will need a WG member with experience of mapping and associated issues to take the lead. REG researcher can provide administrative support.</p>
<p><b>AOB</b></p>	<p>Thank you to Katia for all her work as Chair of this WG, she is now stepping down and Jenni Quint is taking over as the new WG Chair.</p> <p>For the future it is proposed that the working group may consider combining methodological research ideas with a research question that is more fundable; Jenni has successfully done this with one of her current projects.</p>