

Practices of Engagement in Developing and Implementing the PCORnet Common Data Model

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Introduction

- PCORnet, the National Patient-Centered Clinical Research Network, has developed and implemented an infrastructure to conduct efficient multisite comparative clinical effectiveness research
- The Common Data Model (CDM) is a key part of the PCORnet infrastructure
- We engaged hundreds of stakeholders in CDM development and implementation
- Practices of engagement at this scale are challenging; we have iteratively developed and refined venues and practices over time



Methods

We have established 4 different venues:

CDM Modeling Working Group	Small expert working group instrumental in the early phases of data modeling
CDM Stakeholder Sessions	Targeted sessions focused on sharing themes and responses from CDM feedback cycles with the larger community
CDM Implementation Forum	Large venue intended to regularly update and connect individuals with activity in modeling, implementation, and operations support
CDM Interest Groups	Small, agile groups formed around specific topics; discussion is reported back to the larger Forum

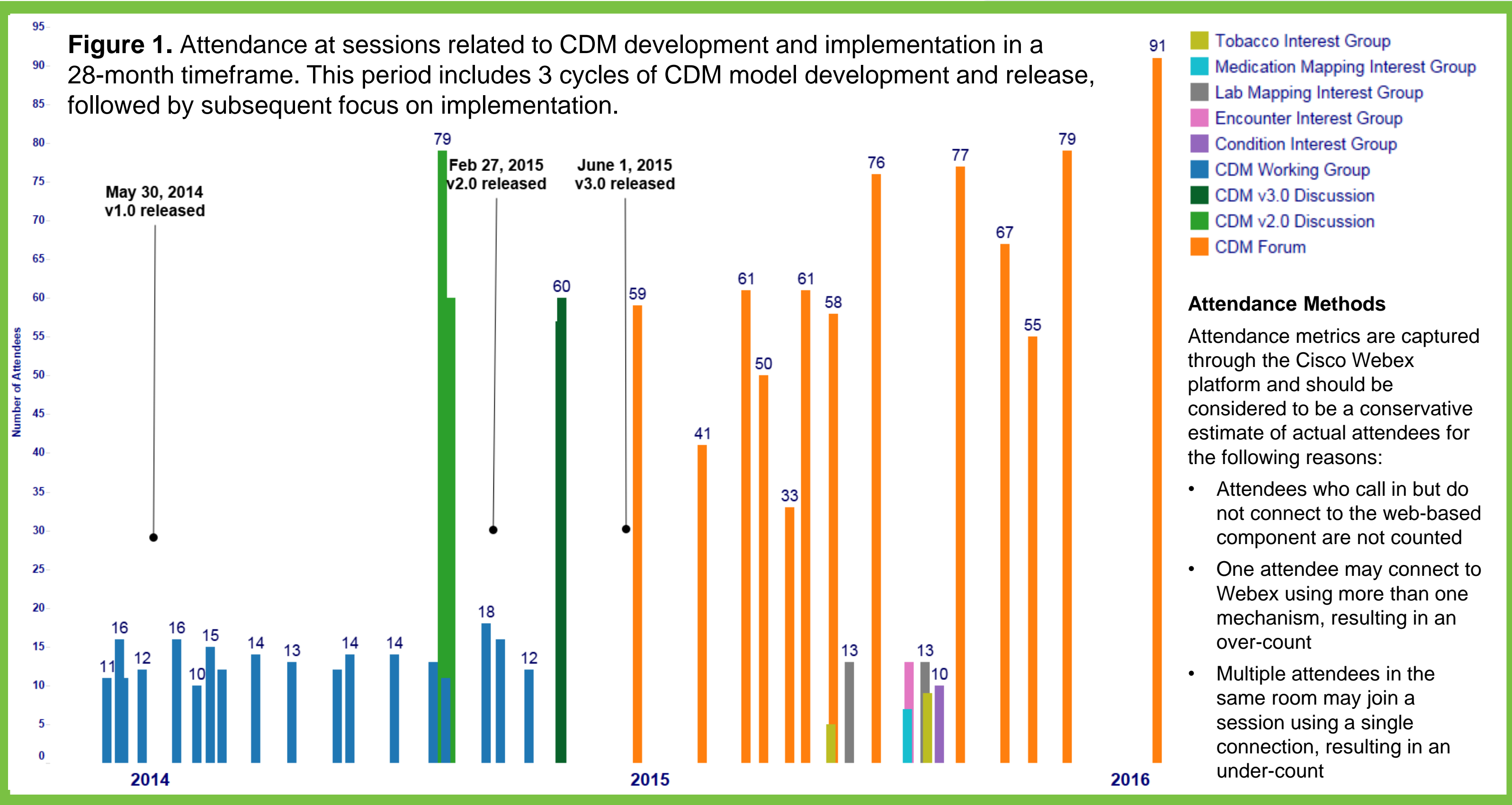
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Results

Over 28 months, we have held **42 sessions with 1,374 attendances** (figure 1). This robust attendance demonstrates committed engagement within the PCORnet community.



QR code for CDM Specification URL:



<http://www.pcor.net/org/pcor-net-common-data-model/>

Lessons Learned and Conclusion

- Complimentary venues are valuable;** we have paired small, agile groups with larger forums and stakeholder sessions
- Early stakeholder engagement** is important to articulate strategy and the process roadmap
- Large volumes of feedback** can be difficult to articulate back to the full community; it is valuable to distill into themes and larger categories

Pragmatic development of standards intended to harmonize diverse data capture environments requires **engaging both data consumers and hands-on data experts in iterative cycles of specification and implementation.**

