

Enterprise Measurement Engine & FPG Schema Migration

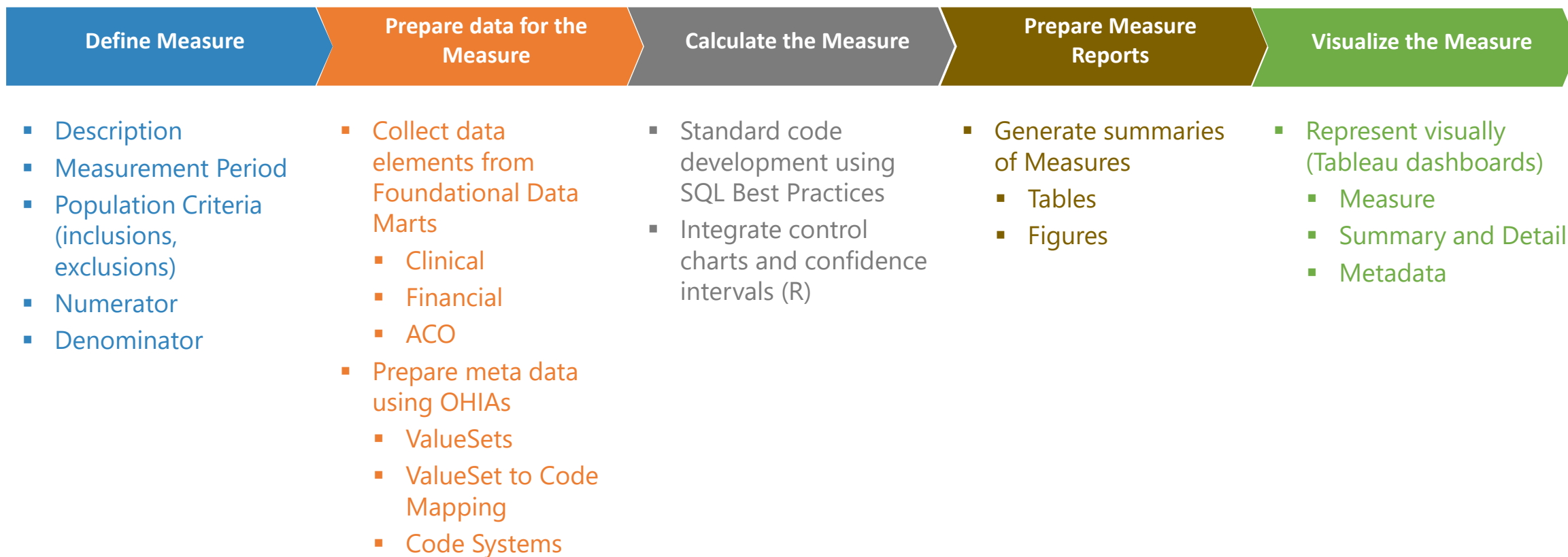
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Agenda

- Enterprise Measurement Engine (EME) Overview
- Office of Population Health & Accountable Care & Implementation of EME
- FY2021 FPG Schema Migration Achievements
- Chronic Kidney Disease Demo
- Implementing EME: Challenges, Lessons Learned & Future Considerations

Enterprise Measurement Engine (EME) Overview

The Enterprise Measurements Engine is a framework that enables users to create an Enterprise Measure, using UCLA Health's enterprise tools and data sets



Office of Population Health & Accountable Care: Why EME Framework

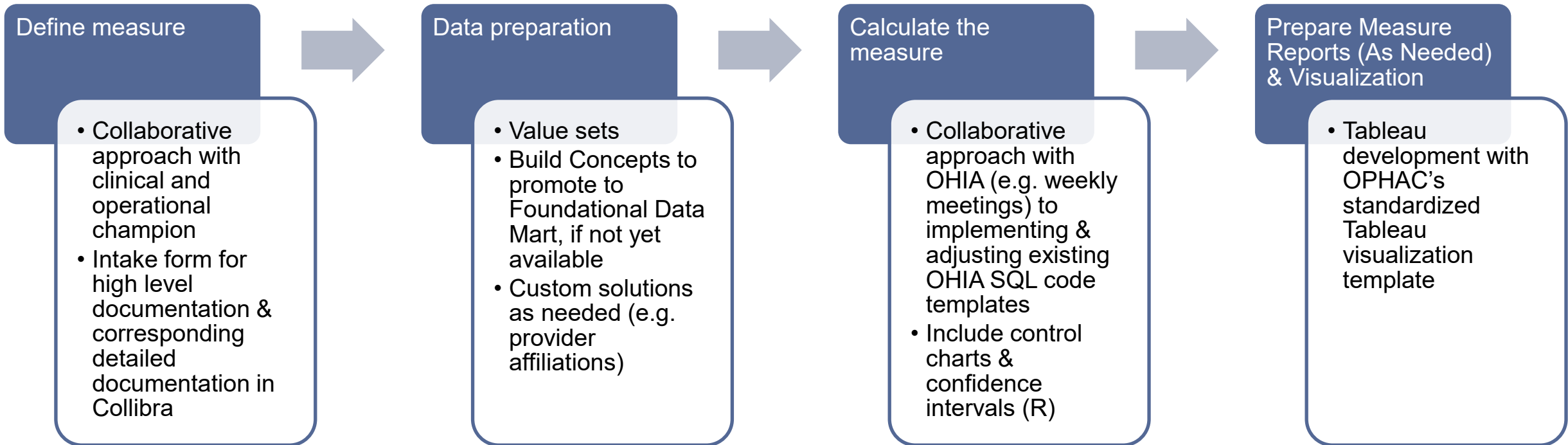
Standardization of measure development processes allows for shorter development and deployment cycles

- Concept and measure documentation through Collibra
- Scalable use of vetted specialized concepts across the enterprise (e.g. admissions)
- Best practice-defined measure SQL code and calculations
- Standardized visualization (Tableau) templates

Enterprise-shared transparency and accountability in EME lifecycle process

- Shared place to store work, version maintenance, change controls through Azure DevOps repository
- Collibra to document business/clinical decisions made about measure specifications and which value sets are tied to which concepts & measures

Office of Population health & Accountable Care: Implementation of EME for FPG Schema Migration



FY2021 FPG Schema Migration Achievements

Process

- OPHAC specification intake form & field matrix
- OPHAC Tableau visualization template
- Automated process for importing and maintaining external data

Outcomes

- 26 concepts added to Foundational Data Marts
- 183 measures development
- 17 Tableau dashboards in production

Chronic Kidney Disease Demo

- Intake specification document
- Collibra
- Tableau dashboard

Implementing EME: Challenges, Lessons Learned & Future Considerations

Challenges

- Foundational Data Marts may not have all of the concepts & fields
- New concepts/measure deployment requires OHIA resourcing

Lessons Learned

- Use of physical tables instead of temporary tables
- Use of deployment scripts to allow COEs to reduce deployment time

Future Considerations

- Further leveraging of R capabilities & output display in Tableau
- Leveraging Collibra to align value sets across platforms (e.g. CareConnect)
- Automated notification to developers and stewards when changes made upstream in order to expect a change in their measures