

BEACON Council Meeting

Data Infrastructure Project Overview

May 13, 2011

Data Infrastructure Development Project

- Purpose: Develop a common data management infrastructure to support all BEACON improvement projects
 - Data collection / data linkage
 - Reporting & analysis
 - IRB / data governance
- Phase 1: Planning & design
 - Stakeholder interviews
 - Requirements compiled from previous & proposed projects

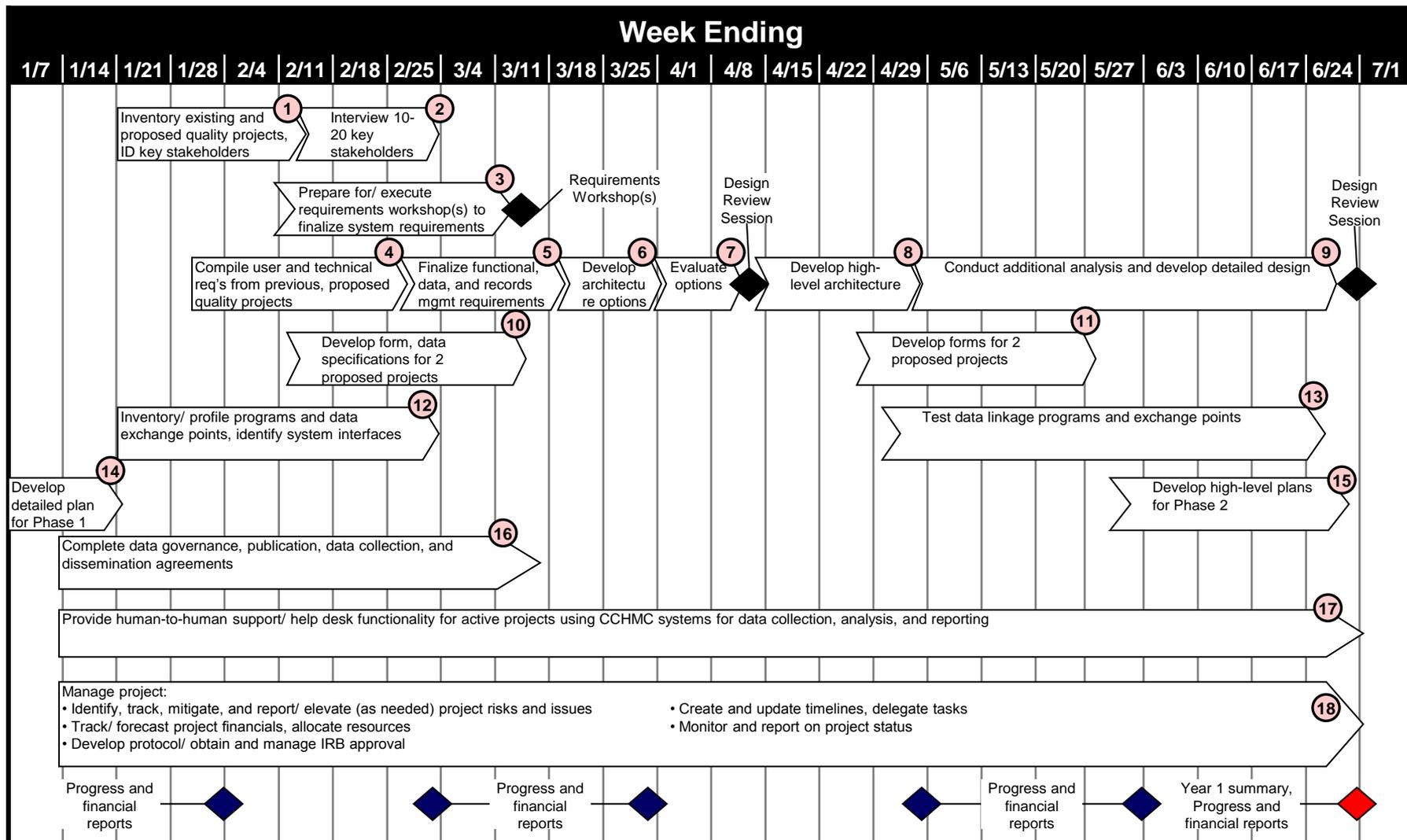
Expected Features / Shared Elements

- Data collection / data linkage
 - Common web-based forms
 - Skip logic & data validation
 - “Built-in” data quality and edit procedures
 - Integrate / link study data with state sources (Medicaid, Vital Stats, etc.)
 - Pre-population from external sources (eventually)
- Reporting & analysis
 - Standardized control charts
 - Automated reports on data quality, timeliness, completeness
 - On-demand generation
 - Annotation of reports by project staff
- IRB / data governance
 - Standardized approach to IRB
 - “Honest broker” to address privacy/confidentiality, peer-review, market competitiveness and HIPAA

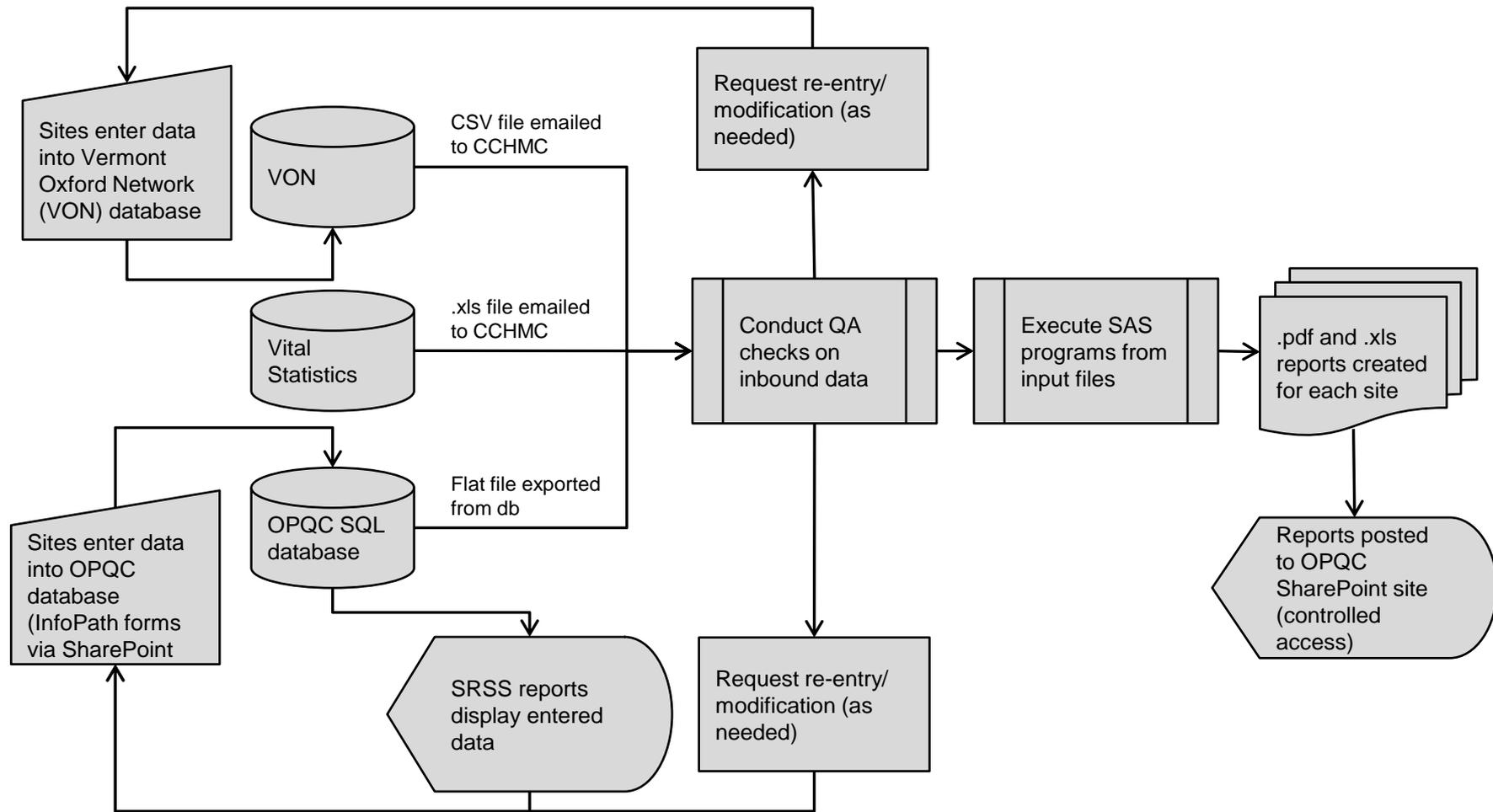


Next Steps And Questions

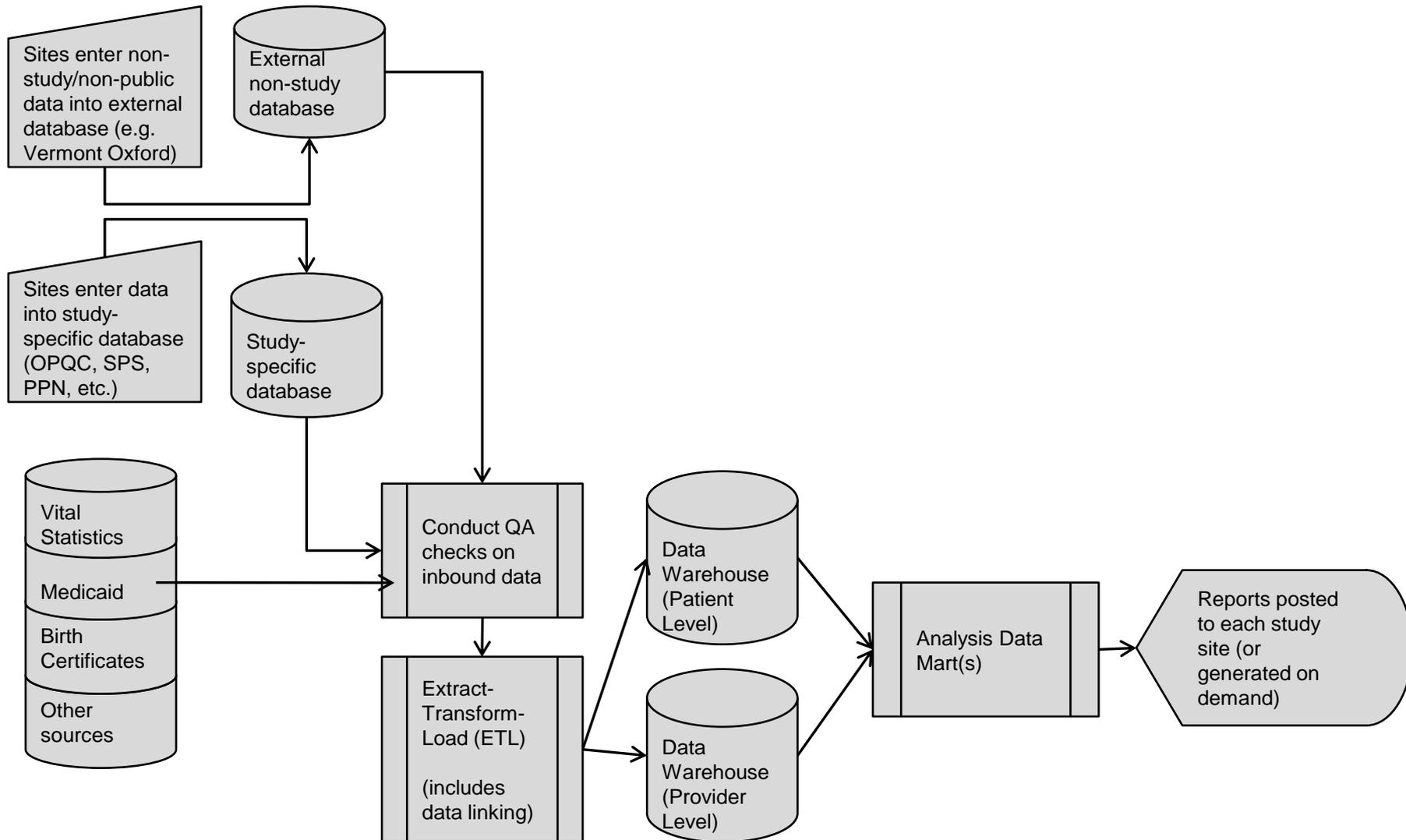
Data Infrastructure Development Project: Phase 1 Approach



Current State Example – OPQC



Example Future State



Description of Final Deliverables

- Executive Business Summary
- Background
- Project Goals
- Critical Success Factors
- Scope
 - In Scope
 - Out of Scope
- Data Requirements
 - Data Models
 - Data Domains
- System Interfaces
- Functional Requirements
- Use Cases
- System Boundaries and Performance Measures
- Conceptual Architecture
- Concept of Operations
 - User Profiles
- Records Schedule
- Benefits
- Quality Assurance and Testing
- Considerations/Needs
- Cost / Benefit Analysis
- Assumptions and Constraints
- Project Risks
 - Risk Mitigation
- Issues Still Outstanding