



Drug Development Tools for Kidney Disease

The Nuts and Bolts of Forming a Consortium



Steve Broadbent
Critical Path Institute

- Accelerates the ability to learn and answer critical research questions through the sharing of experience, knowledge, and data
- Spreads the cost and risk to advance research in areas of unmet need
- Engagement of regulatory authorities helps assure deliverables will be accepted in regulatory process

Establish a new consortium to support collaborative research and regulatory endorsement of new, effective methods for evaluating the safety and efficacy of therapies in chronic kidney disease and acute kidney injury

Initial Objectives:

- Create a database of aggregated, standardized clinical data to support regulatory submissions and research. Update CDISC standards as needed.
- Create scientific consensus on the optimal prognostic biomarkers for use in clinical trials for therapies to treat CKD and AKI that can be advanced for regulatory endorsement by the FDA and EMA

Potential Objectives:

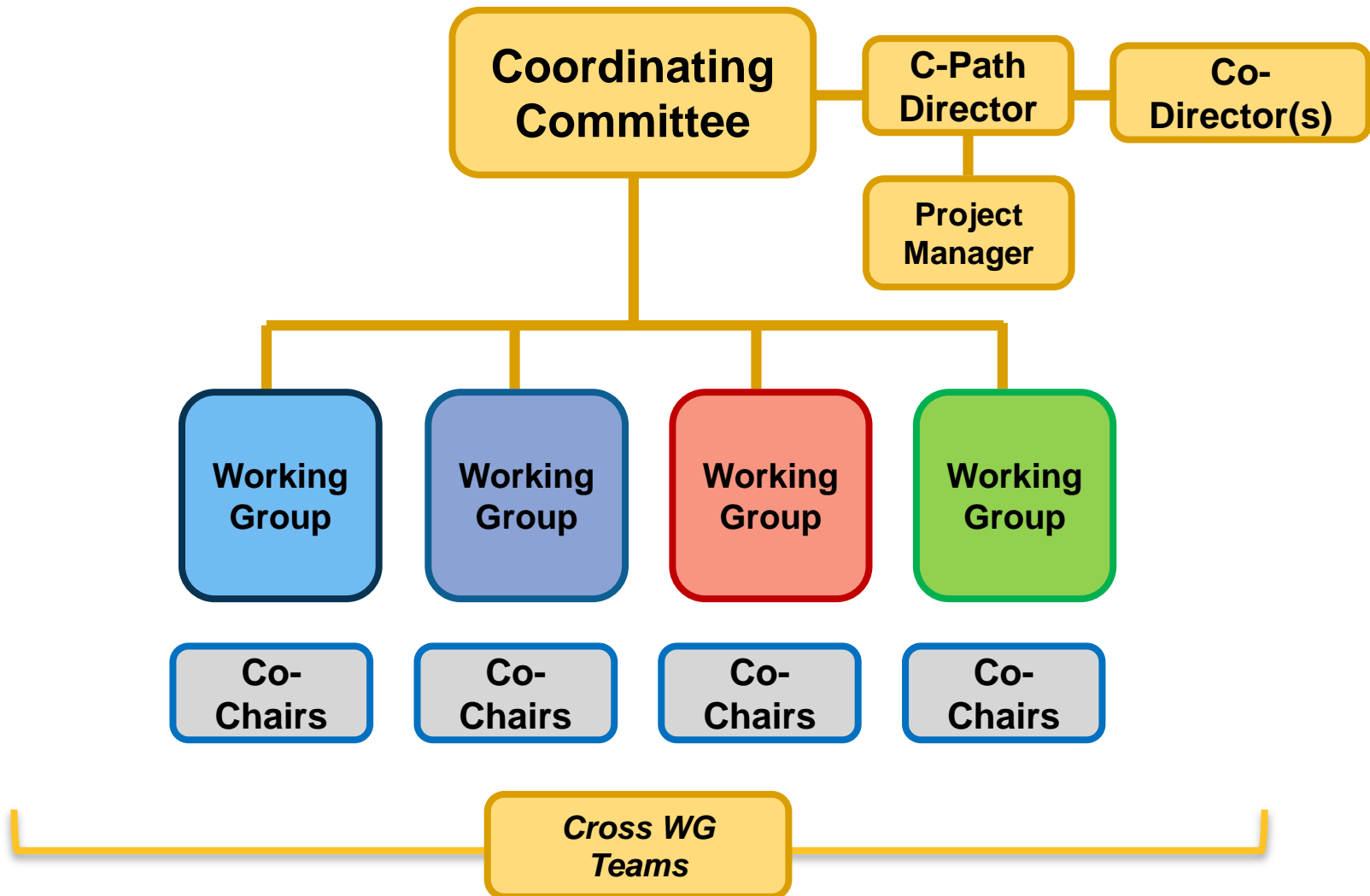
- Identify and qualify diagnostic, predictive, or pharmaco-dynamic biomarkers
- Develop a disease progression model and simulation platform to inform clinical trial design
- Other clinical outcome assessment methods

- Initial Scope
- Responsibilities and Expectations of Members
- Governance
- Confidentiality
- Intellectual Property
- Publications and Publicity
- Fees
- Anti-Trust
- Anti-Corruption, Anti-Bribery
- Termination, Liability, Indemnification, etc.

Project governance to be informed by C-Path best practices

- Leadership Team consisting of C-Path executive director and founding partner co-director(s) as primary leadership team
- Coordinating committee with representation for all members makes all significant decisions
- Separate Working Groups created to focus on each deliverable – led by a chair or co-chairs

Typical Governance Structure



Establish a pooled, standardized, secure database of clinical trial data

- Data access is determined by owners/contributors of the data
- Full data de-identification that meets HIPAA “Safe Harbor” specifications
- C-Path CODR database platform
 - Extensive security measures for online data access & database management
 - Proven database technology
- Leverage existing data standards partnerships
 - C-Path consortia expertise
 - CFAST data standards project with CDISC

Clinical Data Shared with C-Path

Consortium	Therapeutic Area	# of Studies	Total Number of Subjects	Range of Subjects per Study		Duration (wks)		Number of Data Contributors
				Min	Max	Min	Max	
Coalition Against Major Diseases	Alzheimer's disease	32	12,960	57	1581	12	156	12
	Parkinson's disease	9	5069	80	1174	40	147	3
Critical Path to TB drug Regimes	Tuberculosis	14	4492	68	1075	1	24	5
MS Outcome Assessments Consortium	Multiple sclerosis	16	14,432	239	1515	9	234	9
Polycystic Kidney Disease	Polycystic kidney disease	5	2941	202	1112	1yr	67 yrs	4
Predictive Safety Testing Consortium	Normal healthy volunteer-kidney	1	172	172	172	1 day	7	1

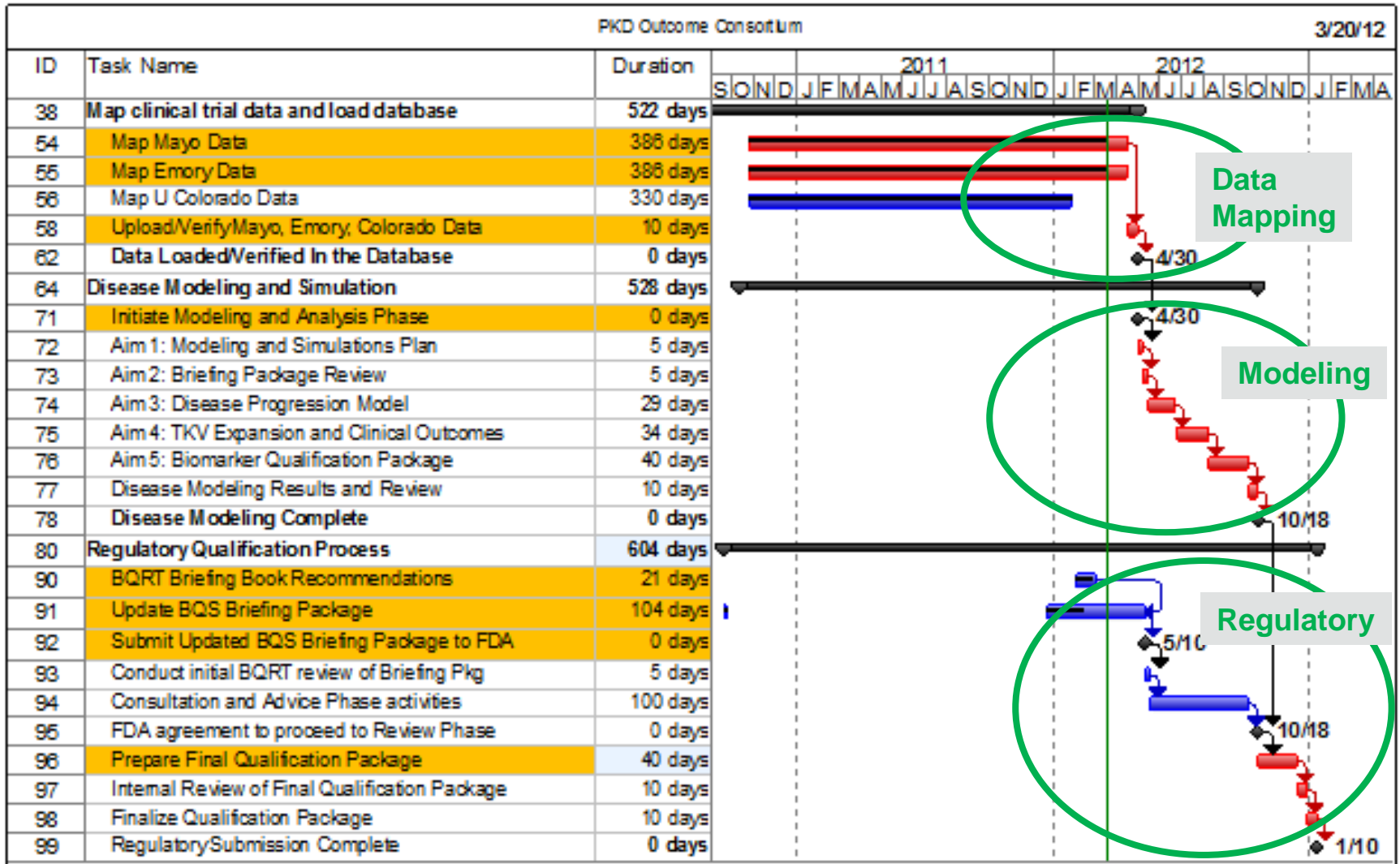
77 Studies

40,066 Subjects

34 Contributors

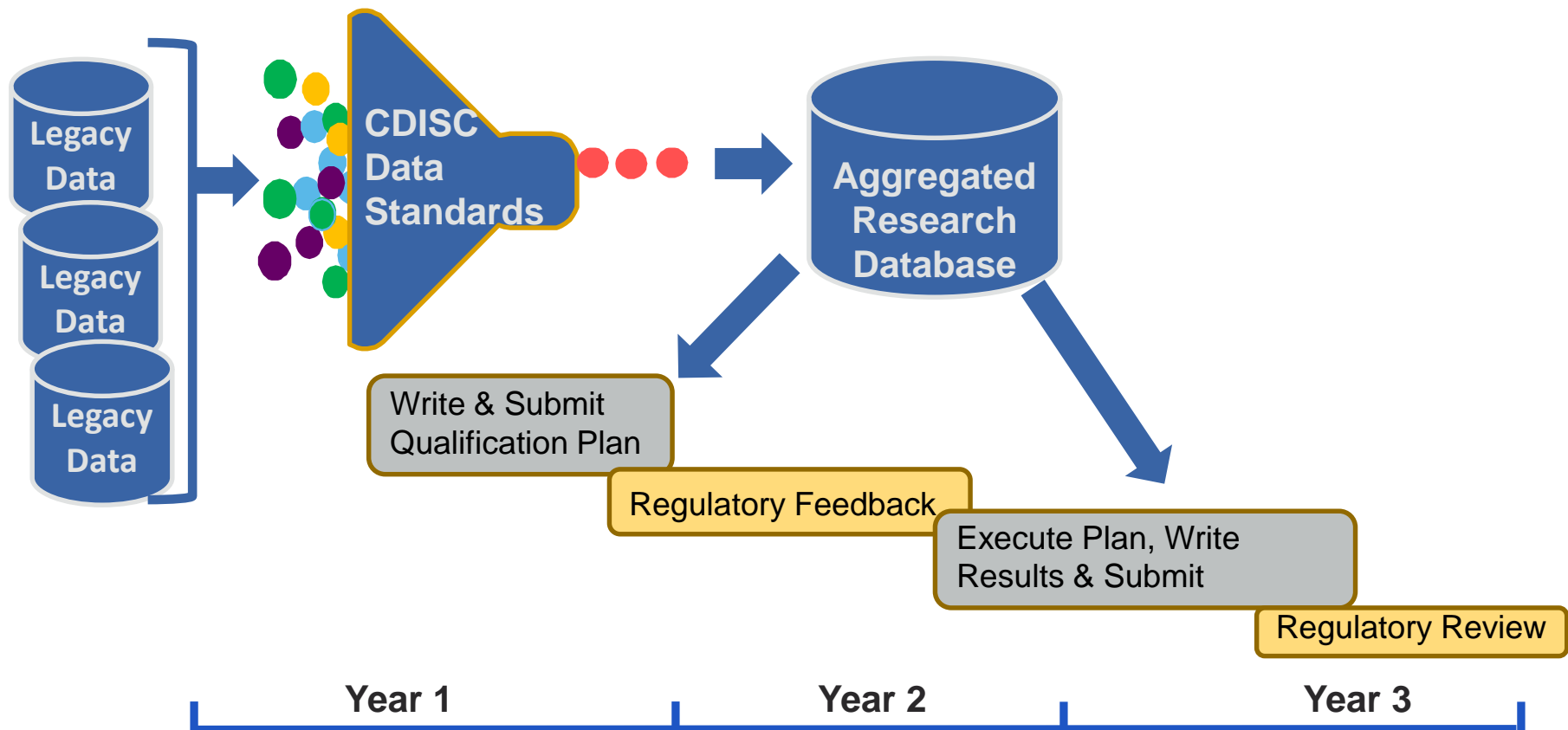
- Written Goals and Deliverables
- Project Plan with Schedules
- Clear Tasks with Owners
- Tracking and Communicating
- Budgets and Finance
- Meetings and Workshops

Typical Project Schedule



Proposal Scope and Timeline

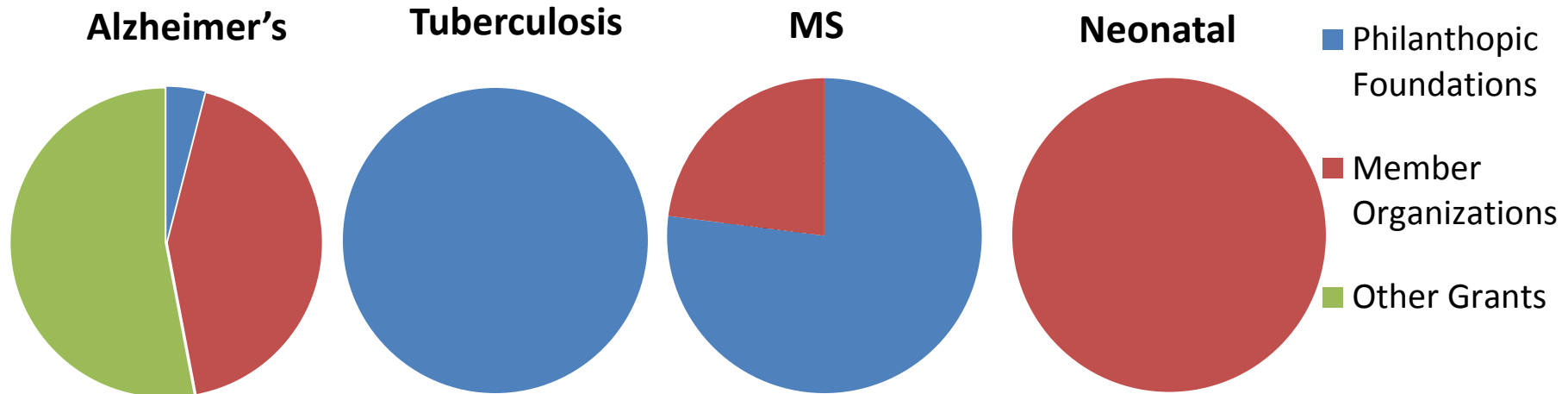
- Development of a data sharing platform for clinical data
- Complete/Update CDISC therapeutic area standard where gaps exist
- Use data to inform the development of regulatory documents and publications



Funding could be provided through multiple sources:

- Philanthropic foundations
- Member organizations
- Other grants
- Combination of one or more of the above

C-Path funding model examples:



- Review proposal with all potential founding partners
- Refine Project Proposal as needed
- Finalize consortium membership agreement
- Announce and formal launch
- Staff working groups and select leadership
- Ramp up to full scope once sufficient organizations have agreed to join consortium and required funding level is achieved