Top Barriers/Challenges and Recent Generalizable Lessons Learned
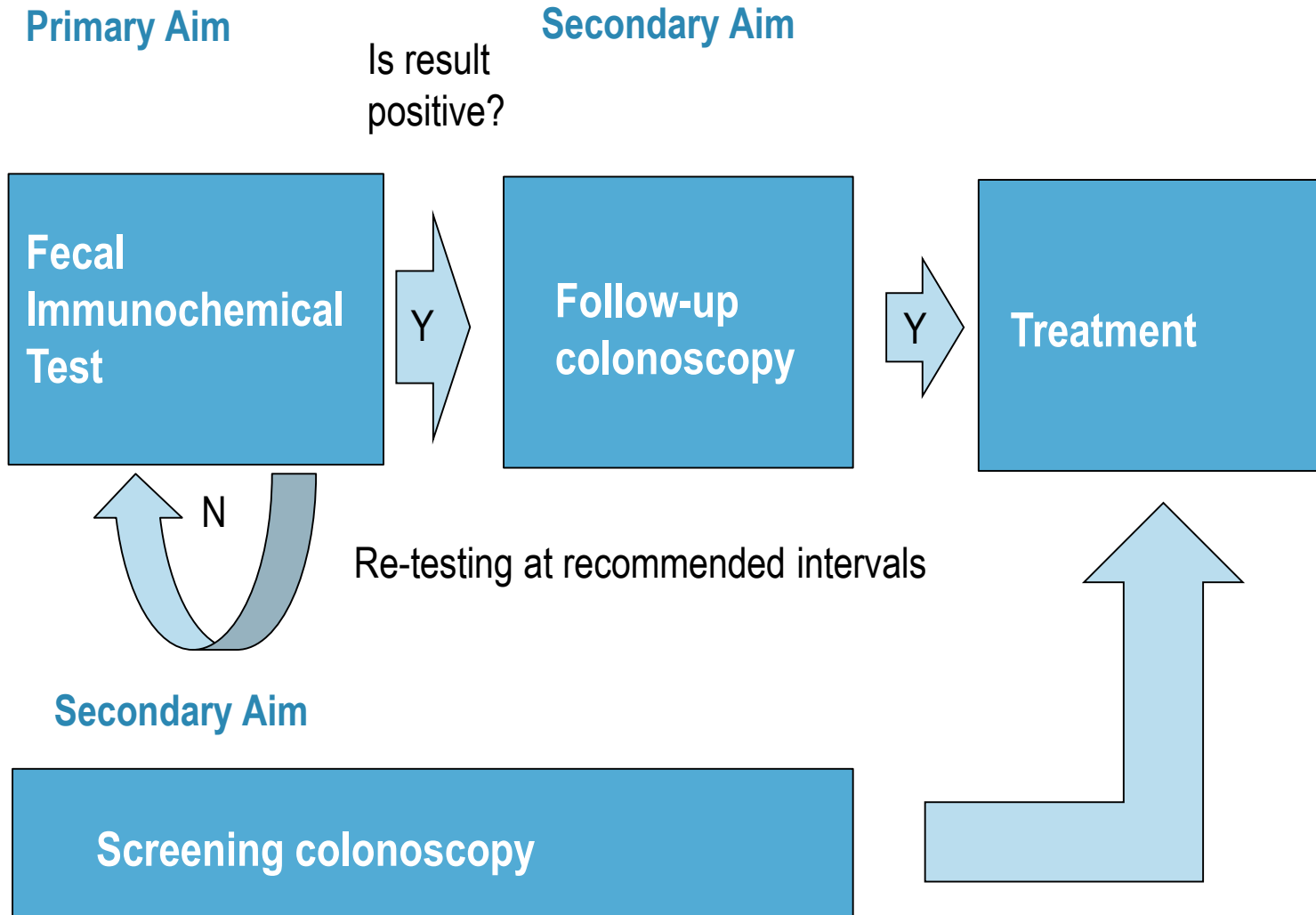
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Barriers Scorecard

Barrier	Level of Difficulty				
	1	2	3	4	5
Enrollment and engagement of patients/subjects	X				
Engagement of clinicians and Health Systems		X			
Data collection and merging datasets		X			
Regulatory issues (IRBs and consent)	X				
Stability of control intervention			X		
Implementing/Delivering Intervention Across Healthcare Organizations			X		

1 = little difficulty 5 = extreme difficulty

The Cancer Care Continuum

Primary Aim

Is result positive?

Secondary Aim

Fecal Immunochemical Test

Y

Follow-up colonoscopy

Y

Treatment

N

Re-testing at recommended intervals

Secondary Aim

Screening colonoscopy
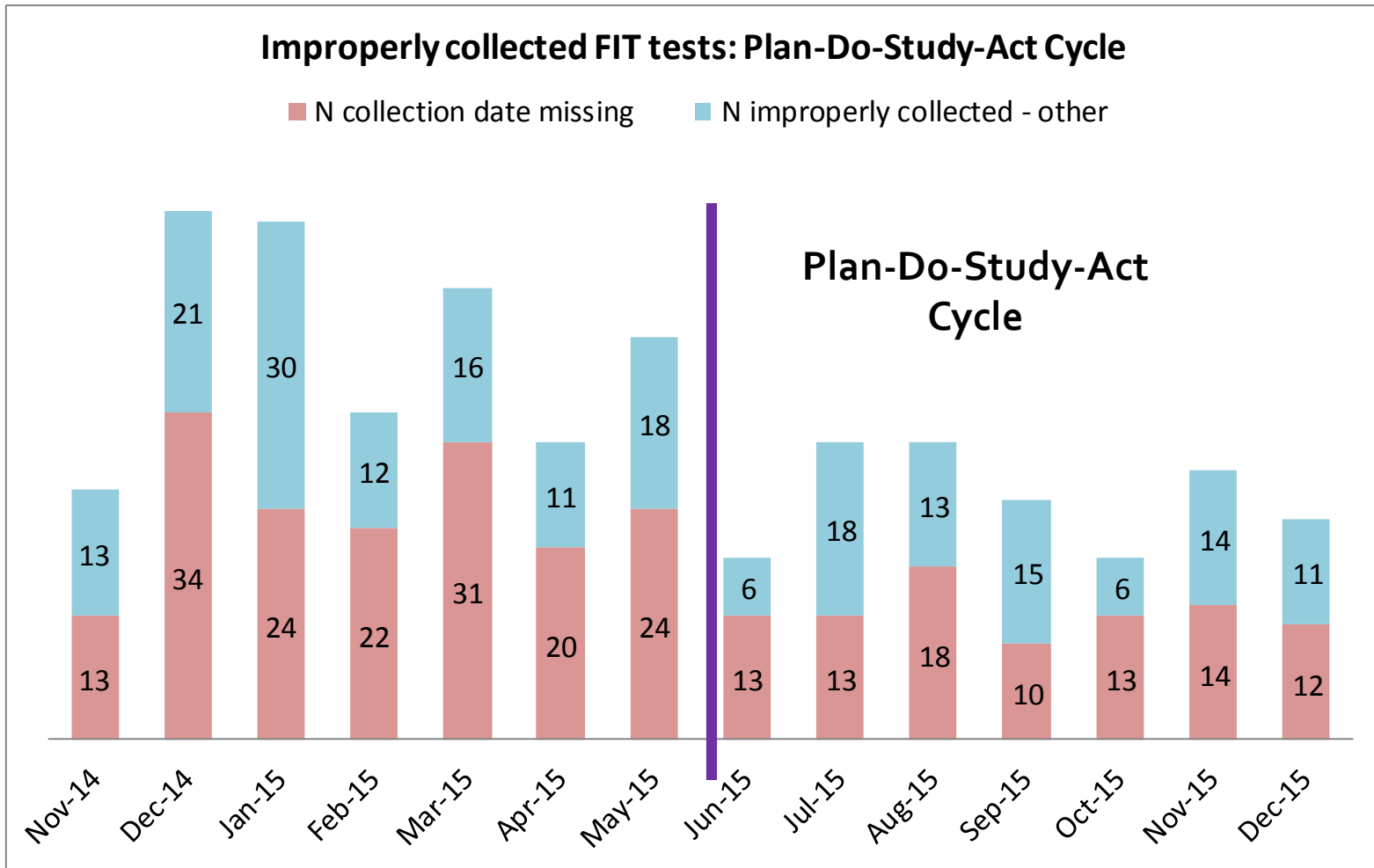
Data challenge #1: Colonoscopy capture

- Colonoscopy is performed in hospitals and ambulatory surgical centers, not primary care

- Colonoscopy data capture is incomplete; no discrete data field; found in problem list, surgical history, etc.

- Study encouraged use of Health Maintenance to track recent colon cancer screening

- Changes in practice patterns has introduced challenge in distinguishing incident and historical colonoscopies – this may impact our secondary outcome 'any CRC screening'

- **What we are doing?** Abstracting charts of patients who have a positive FIT result (n = 1248 to-date), plus charts of patients with and without colonoscopy.

Data challenge #2: Missing data

- If FIT was mailed by a Medicaid Health Plan, the order and result may not be in the primary care record.

- **What are we doing?** Determining if we can use claims data from some Medicaid Health Plans to cross-reference.

Data challenge #3: Tests not properly completed

- Some FIT tests were not completed properly and not processed!

- **What are we doing?** Noting it as a limitation.

PDSA #2: Improving FIT sample collection

Improperly collected FIT tests: Plan-Do-Study-Act Cycle

■ N collection date missing   ■ N improperly collected - other

Plan-Do-Study-Act Cycle

Month	N collection date missing	N improperly collected - other
Nov-14	13	13
Dec-14	34	21
Jan-15	24	30
Feb-15	22	12
Mar-15	31	16
Apr-15	20	11
May-15	24	18
Jun-15	13	6
Jul-15	13	18
Aug-15	18	13
Sep-15	10	15
Oct-15	13	6
Nov-15	14	14
Dec-15	12	11

Source: Multnomah County Health Department

Data challenge #4: Denominator problems

- For our secondary outcome – FIT testing in Year 2 – we do not know if a patient in a given clinic who completed a test in Year 1 is an active patient. (Our data are from community clinics; thus, there is no accurate definition of 'enrolled'.)

- **What are we doing?** Analyzing data in two ways: (1) FIT test completion among all who completed FIT in the past year and (2) FIT test completion among all who completed FIT in the past year and had a clinic visit in the past 12 months.

STOP CRC by the numbers…

- **18+** STOP CRC papers published

- **60+** STOP CRC presentations delivered

- **95** health systems have access to STOP CRC EMR tools (Epic)

- **2** state health departments receive Technical Assistance based on learnings from STOP CRC

Questions?