



Ideal Measures for Genomic Medicine Implementation Studies

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Implementation Research

Implementations without structure provide no guidance on implementation in other settings–

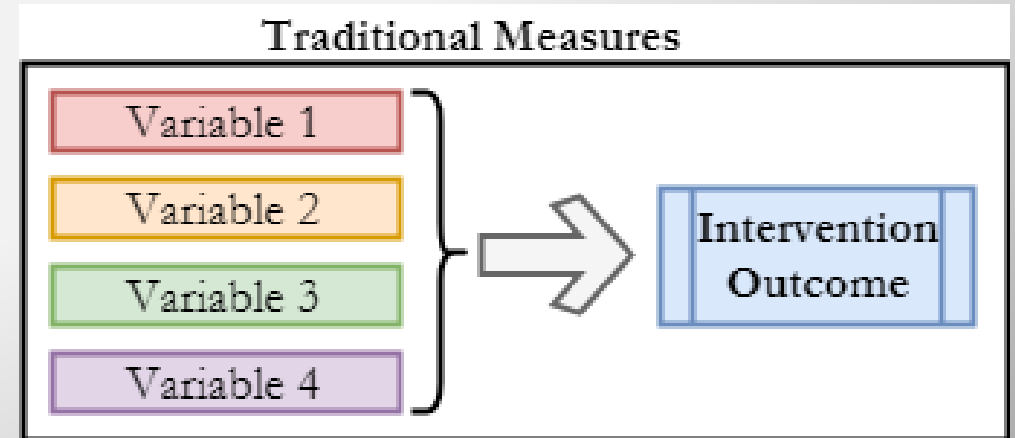
- Lack generalizability
- Lack sustainability

**ONE-OFF
SOLUTION**

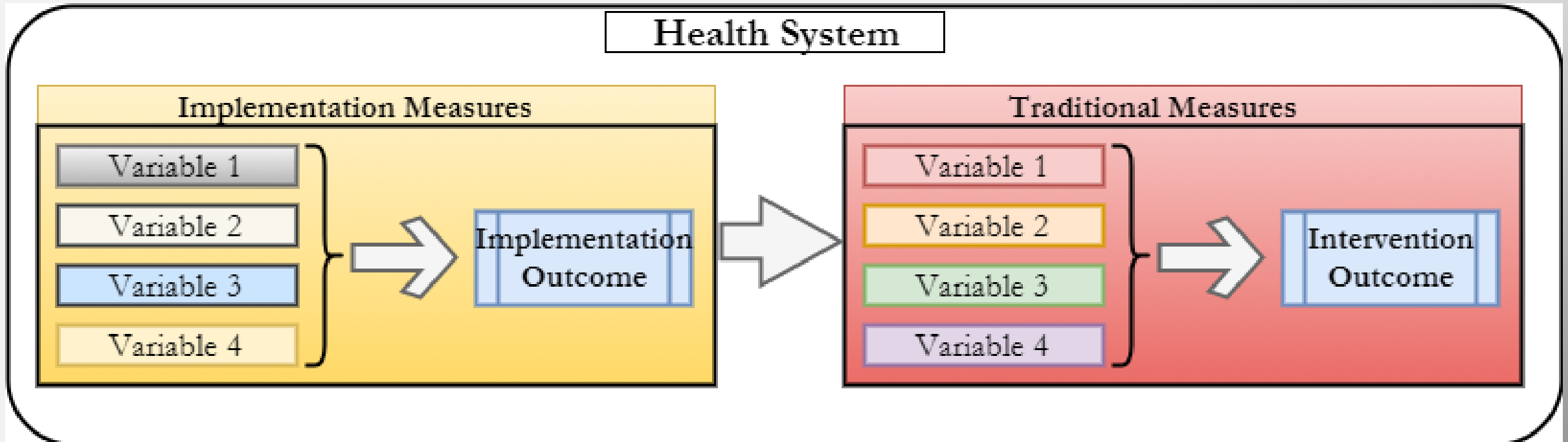
Example: Central Line Infections



How You Get to Outcomes is Important



How You Get to Outcomes is Important



Implementing Genomics in Practice (IGNITE)

- 6 Projects with different genomic interventions
- Implement in at least one community partner
- Create shared knowledge
- Facilitate knowledge transfer

IGNITE
Implementing GeNomics In practice

TOOLBOX PUBLICATIONS NEWS EVENTS NETWORK ABOUT IGNITE SEARCH

Get Started

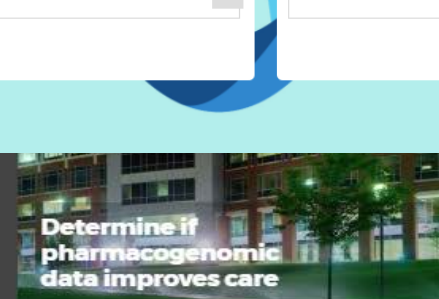
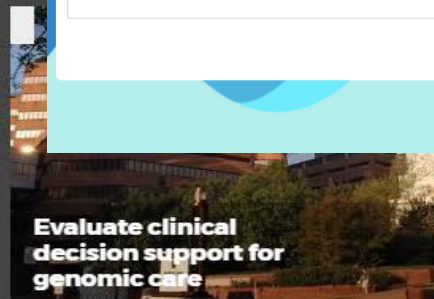
Implementing Genomics in Practice?
Search **Clinical** Tools

Search...

Researching Genomics in Practice?
Search **Research** Tools

Search...

Research Goals



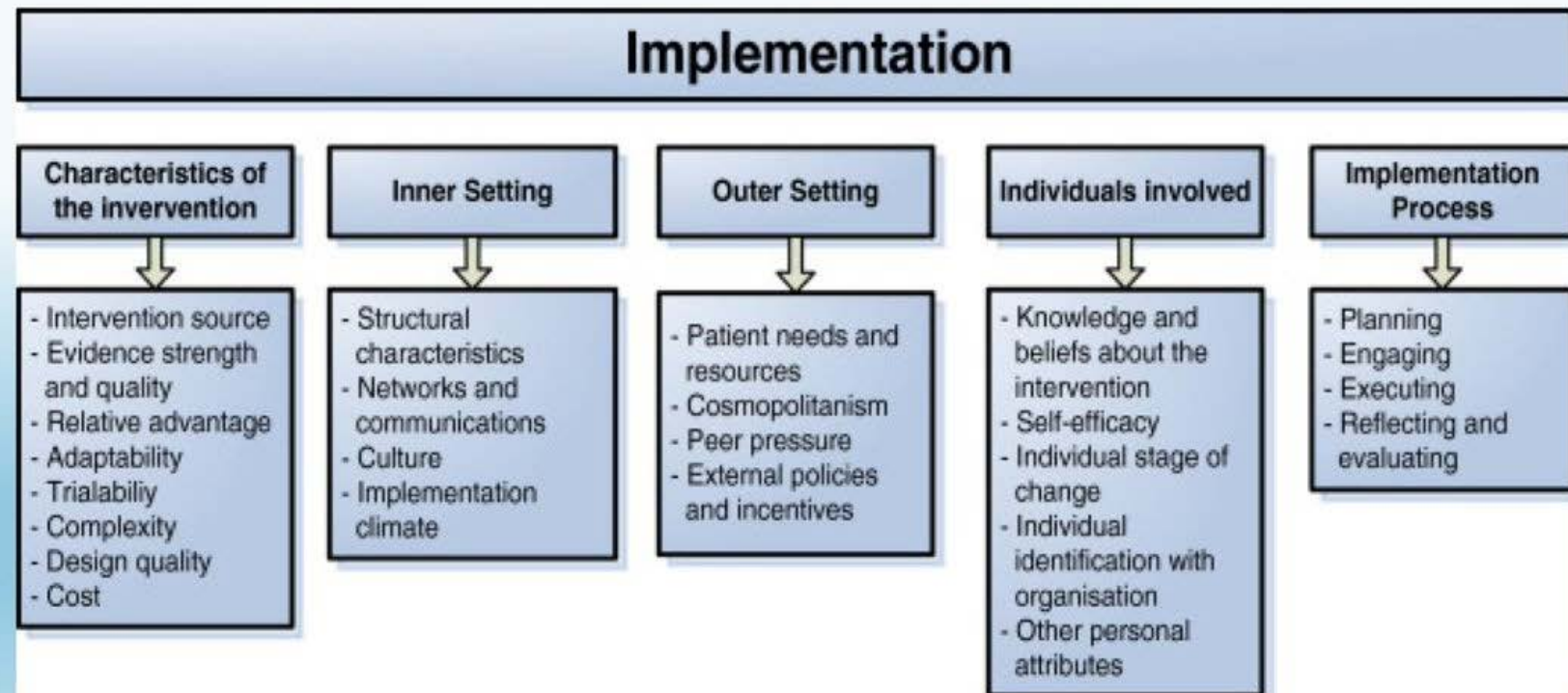
Consolidated Framework for Implementation Research (CFIR)

The Consolidated Framework for Implementation Research (CFIR)

Overall:

26 constructs

13 sub-constructs



(Damschroder LJ, et al ;2009)

CFIR Constructs Ranked for Genomic Medicine

- Intervention: costs
- Intervention: evidence strength & quality
- Implementation Readiness: Available resources
- Implementation Readiness: Leadership Engagement
- Engaging: Champions

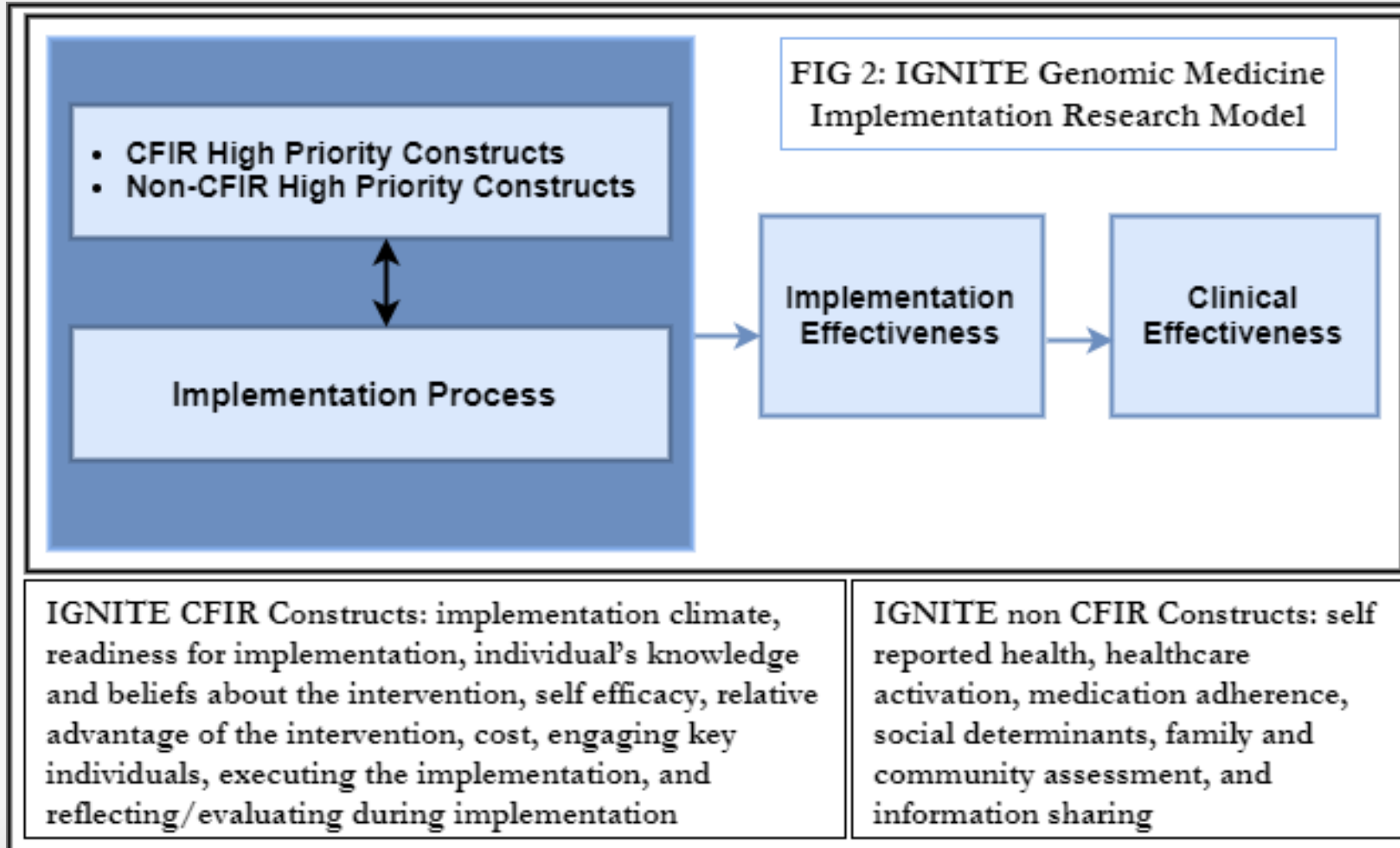
- Intervention: relative advantage
- Intervention: adaptability
- Intervention: complexity
- Outer Setting: patient needs & resources
- **Implementation climate**
- Implementation climate: relative priority
- Engaging: Internal implementation leaders
- Process: planning
- Process: executing

NON-CFIR Constructs for Genomic Medicine

Patient Measures

- Demographics
- Self Reported Health
- Healthcare Activation
- Social Determinants of Health
- Information Sharing
- Health literacy
- Family and community assessments
- Attitude toward genomic intervention
- Preference for who returns results
- More to come.....

Draft Genomic Medicine Implementation Research Model



Additional Benefits

- Increases reach of the intervention ... generalizability
- Increases effectiveness of the intervention
- Provides a broader frame for assessing health disparities

Summary

- Including system measures with traditional measures and outcomes will help create sustainable interventions
- IGNITE is a test-bed for implementation research
- Draft Genomic medicine implementation research model is available and we are looking for opportunities to refine it
- Developed a method for identifying High Priority CFIR constructs for others to use
- Non-CFIR high priority constructs are in process but should be updated with work that others are doing in this area