Cystic Fibrosis Learning Network

Implementation Phase

Governance & Organizational Structure







Reports back

Stewardship Committee

Remove barriers
Provide resources
Focus Attention

Requests support

Actions

Remove Barriers
Highlight promising
practices, sites
Deploy energy &
resources

Network Leadership Team

Strategy Evaluation Prioritization Integration

CFLN
Data-Driven
Governance

Meets regularly

Data

Overall dashboard
Small Multiples
Scale Model
QI Status
Innovation Scale

Uses data to answer questions

Questions

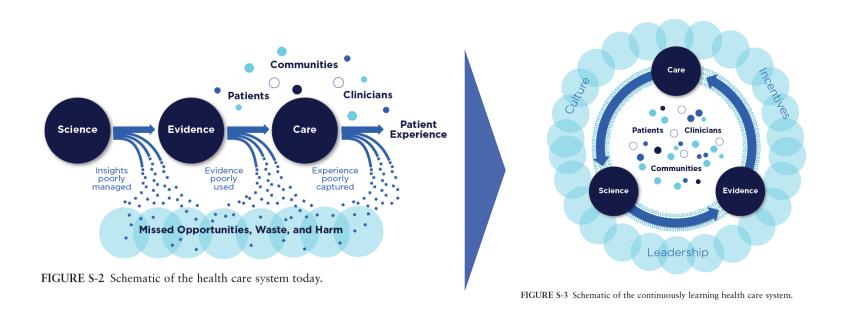
System performance?
Variability?
Speed?
Effectiveness?

Decides on actions



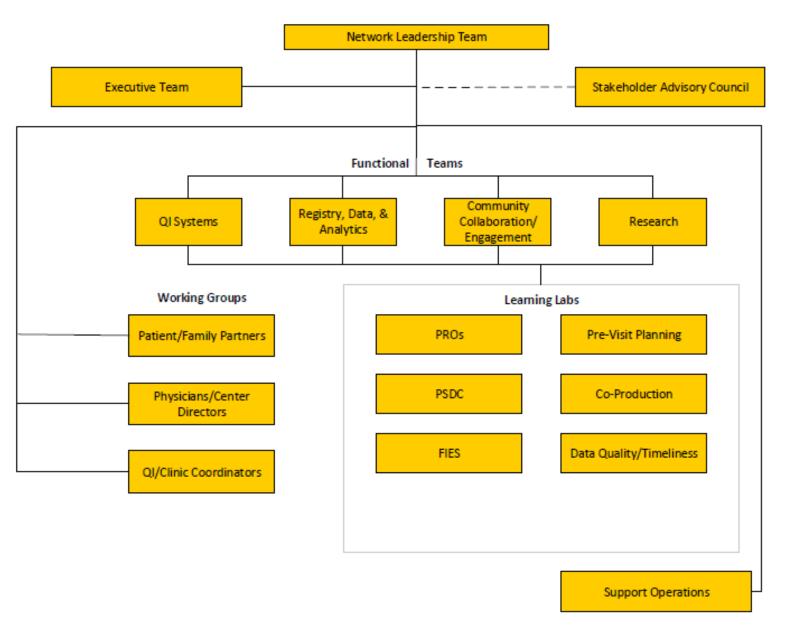


Culture, Context, & Models Helping Us Frame Our Future



Moving towards a continuously learning health care system

DRAFT CF Learning Network Organizational Chart v3



Example of Distribution of Sponsors & Efforts

LEADERSHIP + GOVERNANCE

Network Leadership Team (NLT) - Internal Advisory & Strategic

Composition:

- Team Chair(s)
 - One physician & one Patient or Family Partner (PFP): [Name] & [Name]
- Members
 - Physicians, nurses, other CF clinicians (blend of pediatric & adult care): [Name] & [Name]
 - Two people with CF & two family caregivers: [Name] & [Name]
- CFLN Stewardship Committee
 - [Names]
- Other Attendees
 - QICs, CFFPR, CFLN Specialists: [Names]

Focus = Accountable for strategic planning, network results, integration, evaluation & prioritization

Meeting Frequency = Currently semi-monthly (recommend @ least monthly, 90-minutes)

Stewardship Committee – Strategic & Operational

Composition:

- Network Sponsor/Registry Leads: [Name] & [Name]
- Network PI + Science Lead: [Name]
- Network Medical + Research Director/Co-PI: [Name]
- Network Improvement Advisor: [Name]
- Network Manager: [Name]
- CFLN Lead QI Learner: [Name]
- NLT Co-Chairs: [Name] & [Name]

Focus = Accountable for financial + operational success of strategic plan set by Network Leadership Team, ensuring adequate support to subcommittees, working groups, program teams (including removing barriers), & stakeholder satisfaction

 Resources, policy development, strategic w/ respect to CFF & other organizations (e.g., The Dartmouth Institute)

Meeting Frequency = Currently semi-monthly (recommend @ least monthly, 90-minutes)

Stakeholder Advisory Committee (SAC) - External

Advisory

Composition:

- SAC Members
 - [Names]
- Stewardship Committee
 - [Names]
- Network Leadership Team Chair(s):
 - [Name] & [Name]

Focus = Advising & providing feedback to executive branch/team on strategic alliances, network direction, & integration with related initiatives, ensuring the overall needs of the diverse collaborative participants & CF community

Meeting Frequency = 3x yearly

Stakeholder Advisory Committee (SAC) - External Advisory

Key Responsibilities:

- Contribute ideas to help the CFLN NLT address urgent & crucial questions
- Connect the CFLN NLT to external initiatives, organizations, & thought leaders to foster continuous learning
- Advise on sustainable growth of the CFLN to spread & scale innovations
- Present or facilitate portions of the SAC meeting

Pre-Work:

- Review CFLN measures & milestones (keystone, Patient & Family Partnerships, Patient & Family Experience of Care, 90-day goals, 180challenge, network maturity model)
- Share relevant external work (reports, articles, presentations) for SAC members to review

FUNCTIONAL TEAMS

Functional Teams - Operations

Teams:

- QI Systems (see slide 14)
- Registry, Data, & Analytics (see slide 15)
- Community Collaboration + Engagement
- Research

Composition:

 Stewardship Committee (SC) sponsor, team leader, members, operational support staff

Focus = Set strategic direction for specific subcommittee activities & structure; implements & oversees activities that support the direction of each of subcommittee

Meeting Frequency = Bi-weekly to Monthly

SC Sponsors

Learning Lab Sponsors in Action	The Learning Lab Sponsor will
Build Will	Advocate & promote engagement & activation from necessary individuals, teams, groups, & organizations; Clarify needs, promote understanding of causes & issues, connect the issues to our core mission, & help identify the best pathways to improvement
Advise on Improvement Strategy	Keep primary focus on improvement science; Advise on learning lab improvement strategies
Build Improvement Leaders	Advise & coach the learning lab leaders on quality improvement & change management; Grow the pipeline for future network leadership
Remove Barriers	Seek to underst& learning lab issues that are interrupting improvement activities & help to resolve them; Escalate issues/decisions to the Executive Leadership Team; Recruit additional resources, use his or her network contacts to make connections for the team, or mediate parties to work to an agreement
Foster Integrations	Encourage & support cross learning lab collaborations; look for cross-team opportunities & promote synergies among the improvement teams.

Team Leaders

Learning Lab Leaders in Action	The Learning Lab Leader will
Build a Learning & Improving Community	Build a culture of all teach all learn in the learning lab community. Foster a healthy learning environment; Facilitate the Learning Labs including agendas & outcomes & developing content for Lab topics at learning sessions; Celebrate success & promote learning from failures.
Inform Improvement Strategy	Review evidence, define relevant measures, review aggregate & network team data & results to continually update improvement theory (key driver diagram) for the Learning Lab outcomes; Consider the design to reach full scale of successful changes, create change packages.
Drive Desired Outcomes	Set aspirational & annual goals, communicate those goals, & identify & spread successful interventions to meet goals; Work with the center teams/care teams to ensure mutually beneficial interventions are coproduced with families; Maintain responsibility for overall learning lab results; Set a culture for rapid learning that includes a quick pace of work, appropriate type & amount of testing, applying test rigor, & evidence of test efforts.

Functional Team: QI Systems - Operations

Composition:

- SC Sponsor: [Name]
- Team Leader: [Name]
- SMEs or other contributing members: [Name]
 - Potentially select LLC coaches as needed
- Operational Support Staff: [Name]

Focus =

Meeting Frequency = Monthly (TBA)

CFLN QIC subgroup meets weekly

Functional Team: Data Systems - Operations

Composition:

- SC Sponsor: [Name]
- Team Leader: [Name]
- SMEs or other contributing members: [Names]
- Operational Support Staff: [Name] (network manager), [Name] (data systems operations)

Focus =

Meeting Frequency = Semi-monthly

Measures Subgroup composition/focus to be revisited in first quarter of 2019

Functional Team: Community Collaboration + Engagement - Operations

Composition:

- SC Sponsor: [Name]
- Team Leader: TBD
- SMEs or other contributing members: [Name]
- Operational Support Staff: [Names]

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Focus =
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Meeting Frequency =

WORKING GROUPS

Working Groups - Representative

Example Teams:

- Patient + Family Partners + Leaders
- Physicians/Center Directors
- Quality Improvement Leaders (QILs)
- Additional as prioritized, e.g. other clinical disciplines, regional collaboratives, pediatric vs. adult care groups

Composition:

- SC or NLT sponsor, team leader, members, operational support staff
- As needed: QI consultant or analytics consultation

Focus = Role-specific collaboration groups to support those in the network & growth of future leaders

Meeting Frequency = Bi-weekly to Monthly

SC/NLT Sponsors

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Working Group: Patient/Family Partners (PFPs) + Leaders - Representative

Composition:

- ET/NLT Sponsor: [Name]
- Team Leaders: [Name]
 - Can we have a parent co-lead/co-sponsor?
- SMEs or other contributing members: could list here the most active PFPs?
 - Open to all PFPs members within the network
- Operational Support Staff: [Names]

Focus = Provide patient, parent & family perspective for collaborative activities. Learn what makes a Patient & Family Partner & Clinical Care Team coproduce most successfully, improve PFPs abilities to coproduce with their clinical teams, support PFPs as they navigate the relationship with their clinical teams.

Meeting Frequency = *Monthly*

Working Group: Patient/Family Partners (PFPs) + Leaders

- Representative

Key Responsibilities:

- 1. Represent the PFPs on a Network-wide level
- 2. Facilitating outreach & education to patients/families to increase involvement in improvement & care
- 3. Recommending priorities including but not limited to Community Conference topics reflecting the patient/family perspective
- 4. Developing a community of parents that advise & contribute meaningful action to the Network's success
- 5. Provide monthly data to the Network based on their experience as a PFP
- 6. Increase capacity of the care team to improve outcomes, value, & experience of PFPs by collaborating with care teams in designing & testing innovations to improve care & outcomes

Working Group: Physicians/Center Directors -

Representative

Composition:

- SC/NLT Sponsor: [Name]
- Team Leader:
- SMEs or other contributing members:
- Operational Support Staff:

Focus =

Meeting Frequency =

Working Group: Quality Improvement Leaders (QILs)-

Representative

Composition:

- NLT Sponsor: [Name]
- ET Sponsor: [Name]
- Team Co-Leaders: [Name] & [Name]
- SMEs or other contributing members: [Name]
 - Open to all QILs within the network
- Operational Support Staff: [Name]

Focus = To offer support, provide quality improvement plus team building learning & exercises, as well as serve as a platform assisting in problem solving for Network teams & their QILs.

Meeting Frequency = *Quarterly 60-minute meetings*

INNOVATION LABS

Innovation Labs - Operations

Examples:

- Implemented changes
 - e.g., components of the Chronic Care Model: PVP, co-production, data quality/timeliness
- 180 day challenge teams
 - PSDC, PROs
- New improvement initiatives
 - FIES, HRQOL, others as they emerge

Composition:

NLT sponsor, team leader, CFLN QIC, SMEs, analytics support, operational support

Definition = A multi-center collaborative strategy to identify interventions of best practices for improving outcomes for which previously available knowledge was insufficient.

Focus = Test innovations via distributed learning & stage/gate process, develop change packages, monitor reliability of changes at program level, compare intervention outcomes among cohorts

Meeting Frequency = Determined by the timeline & resources available

What Is an Innovation Lab?

A multi-center, voluntary, collaborative strategy to identify interventions of best practices for improving outcomes for which previously available knowledge was insufficient.

Design & Plan

Team: 6-10 Experts

Deliverables:

- SMART AIMs
- Family of measures
- Data collection approach
- Improvement Theory
- KDD
- Determine center commitment for Innovation Lab

Opt – in Innovation Lab

Team: 5-10 Centers

Deliverables:

- Evidence of improvement
- Improvements in process measures
- Create, revise, & refine change package



Network Wide Improvement

Team: Spread - All Centers

Deliverables:

- All centers adopt measures
 & improvement
 approaches at their local
 environment
- Network wide/aggregate improvement

Sustain Improvement

Team: All Centers

Deliverables:

- Review measures quarterly
- Convene experts if special cause

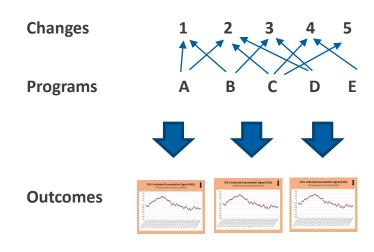
Initial Labs:

- 1. FIES Summer 2019
- 2. HRQOL Fall 2019

References: IHI, SPS, NPC, CNU, Anderson Center (LHS), Actor Orient Network

Distributed Learning Structure

- FIES Innovation Lab as case study prospective testing
 - Aim: Decrease incidence of FIES from 1.0 to 0.5 by December 31, 2021
 - Measure: FIES in the last 12 months for CFLN patients
 - Changes to be tested: (Subject matter experts develop draft change package with list of change concepts/interventions to test)



- a) Distribute changes across programs
- b) Monitor reliability of changes at program level
- Group programs by interventions
 & compare outcomes for these cohorts

NLT Sponsors

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Innovation Lab: FIES

Composition:

- NLT Sponsor: [Name]
- Team Co-Leaders: [Name] & [Name]
- SMEs/content contributors
 - Faculty: [Names]
 - Nurse: [Names]
 - Respiratory Therapist: [Names]
 - RD: [Name]
 - Social Worker: [Name]
 - Data & Analytics: [Names]
 - Patient/Family Partners: [Names]
- CFLN Improvement Advisors/Consultants
 - [Names]
- Operational Support Staff
 - [Names]
- Additional Consultants (as needed)
 - [Names]

Focus/Aim = Decrease incidence of FIES from 1.0 to 0.5 by December 31, 2021 (?)

Meeting Frequency =

Innovation Lab: HRQOL

Composition:

- NLT Sponsor: [Name]
- Team Co-Leaders: [Name] & [Name]
- SMEs/content contributors
 - Faculty: [Names]
 - Nurse:
 - Social Worker/psychologist/mental health coordinator:
 - PFEC Survey: [Names]
 - Data & Analytics: [Names]
 - Patient/Family Partners: [Names]
- CFLN Improvement Advisors/Consultants
 - [Names]
- Operational Support Staff
 - [Names]
- Additional Consultants (as needed)

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Focus/Aim = Meeting Frequency =
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PARTICIPATING PROGRAM QI TEAMS

Program QI Teams - Operations

Composition (minimal requirements):

- Physician Champion
- QI Coordinator
- Patient/Family Partner(s)
- Additional CF clinical care experts

Focus = Test, share, & report improvement initiatives to the network while growing capacity for improvement & prioritizing projects at their institutions. Foster institutional/divisional support & financial backing of participation in the network. Ensure training + acclimating of program team members & PFPs in QI & the network's methodologies.

Meeting Frequency = Determined by the teams themselves; minimal requirement of monthly

NETWORK OPERATIONS

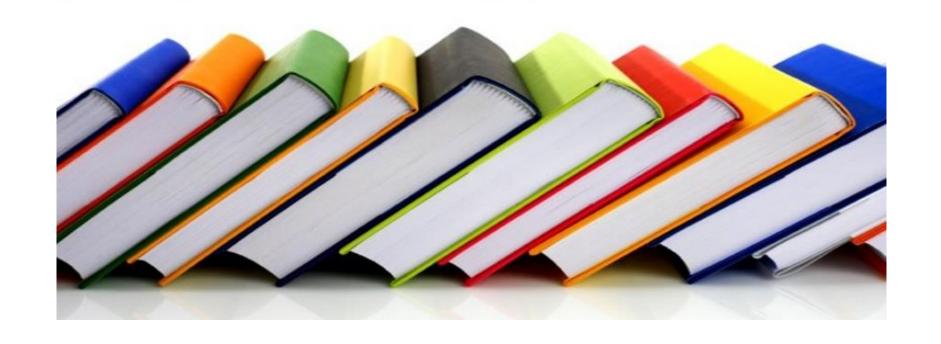
Support Operations - Operations

Composition:

- Project Manager: [Names]
- Specialist Project Management: [Names]
- Project Coordinator: [Name]
- QICs: [Names]

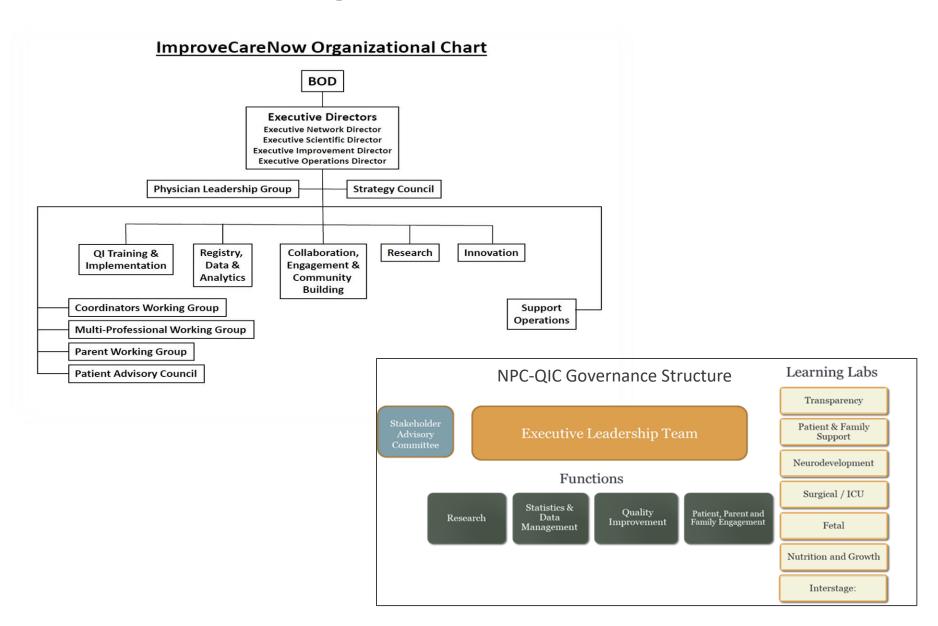
Focus =

Meeting Frequency = Weekly



FOR REFERENCE

Established LN Organizational Charts



LN Governance Components:

- Stakeholders in Governance & Management
- Governance & Management Structures
- Network Policies
- Network Membership Policy
- Network Collaboration Policy
- Knowledge Sharing
- Attribution Policies & Procedures
- Data Policies & Procedures
- Institutional Review Board (IRB) Policies & Protocols
 - Not applicable to CFLN
- Financial Sustainability Business Plan Development

Stakeholders in Governance & Management:

1. Strategic Leadership

(Board of Directors, Executive Directors, Physician Leadership Group, Strategy Council, or leadership team)

Set the unifying vision/direction & global & specific aims of the network; & they
engage in high-level planning & resource allocation in order to achieve those aims

2. Operations

 Network day to day operations & management + develop, implement, & track implementations of network's policies/SOPs & procedures

3. Representative

 Key point is to include stakeholder sub-groups that represent patients-families, clinicians & researchers, & not only at each care center but spanning the whole network

4. Advisory

 Stakeholders who are not formally part of the network but who are smart, wise, capable or otherwise willing & able to help from time to time

Stakeholders in Governance & Management contd.:

Strategic Leadership

- Clinical Leads
- Opinion Leaders
- Parent Leaders
- Operations Lead/Business Manager/Legal/CEOs

Operations

- Network Directors
- Project Managers
- QI Coaches
- Communications & Engagement Specialists
- Data Analysts
- Informatics Specialists

Representative

- Clinical Steering Committees
- Research Committees
- Parent Working Groups
- Patient Advisory Councils

Advisory

- Consultants
- Mentors
- Clinicians
- Researchers
- Patients/Families

Governance & Management Structures:

&erson Center-Supported Learning Networks

- Network Operations Director (if applicable)
- Project Manager
- Senior Specialist Project Management
- Specialist Project Management
- Coordinator Project Management

Network Management Infrastructure/Capacity

- Written management processes & operating procedures
- Formal onboarding procedures for new network staff
 - Formal process in progress & being tested
- Descriptions & prioritization of work flows & opportunities
 - Not complete but have for most
- Network staffing model
- Budgeting procedures
- Dedicated administrative support
- Dedicated time for network faculty & leaders
- Processes & schedules in place to review regularly all of the above

LN Governance Manual - Policies:

Network Policies

- Should be written up from very startup of the network, continually updated,
 & key decisions made note of
 - CFLN has some network policies drafted but could use more

Network Membership Policy

- Includes the guidelines, rights & obligations of members of the learning network
 - 1st requires continual "buy-in"
 - Renewed agreement (usually annually); including spelled out "give & take"
 - Plan for dealing w/ member's failure to uphold/meet expectations
 - Network managers should draft the membership policy in consultation with network leadership, & then maintain & implement the policy
 - · CFLN network has charter but would be beneficial to have this piece called out separately

Network Collaboration Policy

- Includes processes for engaging stakeholders & organizations external to the network, for example, sponsors, funders, professional organizations & industry
 - None of LNs have developed due to only recently started to develop

LN Governance Manual – Knowledge Sharing:

Knowledge sharing is **essential** to achieving spread of successful interventions throughout a LN & sustaining them

Virtual Community Commons

- Should function as a repository to share existing assets & as stimulus for coproduction.
- Platform to facilitate frequent, sophisticated & inclusive of all stakeholders sharing should develop apace
 - As amount of info/documents grows a commons will need to be developed that is searchable
 - As network becomes more inclusive of all stakeholders at all 4 governance levels, so too will the network become more democratic in how it creates, shares, & uses knowledge (i.e. Wikipedia)
- Governance policies should be developed around contribution, curation of contributions, sharing documents, & taking & modifying existing documents
 - Should also protect the intellectual property/authorship of contributors, ensure proper acknowledgments, & respect copyright-protected materials

Attribution Policies & Procedures:

Authorship/Publishing

- LN leaders/mangers develop policies & structure for Research Committee to govern:
 - What research is approved & prioritized using network registry data, in alignment with network's aims
 - How manuscripts generated from proposals to answer research hypotheses are formatted, reviewed, edited & published
- Recommend following ICMJE & URM for authorship credit & acknowledgements

Intellectual Property

- It should be made clear in the text of any manuscript
 - Produced with research data from the network that network dataset was used for analysis
 - Include description & limitations of network dataset

LN Governance Manual – Data Policies & Procedures:

Strategic Importance

- LN leaders/managers should think about kind of data wish to collect; research, improvement, outcomes or process data + what reports are needed
- Consider what level of transparency network requires for each type of data, & what the network can feasibly achieve

Operational Components

 Need to take into account network operations staff – managers, legal, regulatory, informatics, etc.

"Networks should take these issues very seriously & may need to consider outside, expert support in developing policies, procedures, & systems!"

- Data Sharing & Access
- Data Security
- Data Ownership
- Privacy & Security Considerations

LN Governance Manual – Financial Sustainability:

Financial Sustainability Meaning

- Financial sustainability or self-sufficiency means different things to different networks
- Networks must have a general plan of what "viable" means for their specific network, with regards to funding streams such as membership fees, grants, industry partners, etc.
- Mature networks regularly review their financial position & even store up reserves to cover an extended period of operations in case of a funding shortfall

Developing Business Plan

- Does not imply that networks ought to be run like a business; rather, a business plan is simply a widely used tool for responsible financial planning & stewardship
- Basic Steps in Writing Include:
 - Describing key leaders & organizational structure of network
 - Identifying network products, programs, & services
 - Identifying marketing opportunities & threats
 - Development of financial plan
 - Getting leadership approval & stakeholder buy-in

Ideal State

 Network has established regular business planning cycles whose timing are in alignment with the development strategic & operational plans, which in turn have been developed with sponsor/governance oversight