

A Network-centric College Transformation focused on Translational Education, Research and Community Engagement to Improve Population Health



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Translational Science Initiative

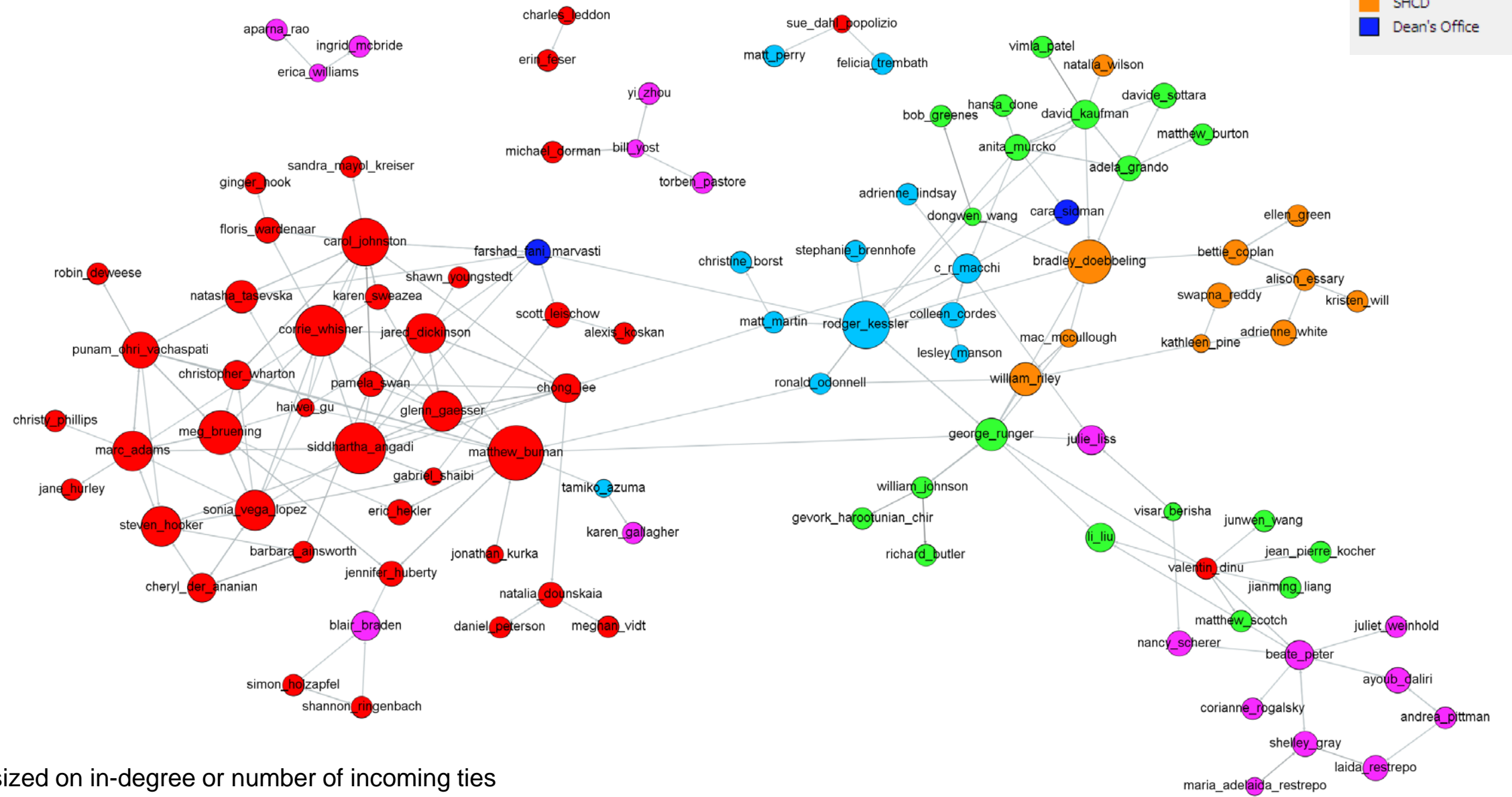
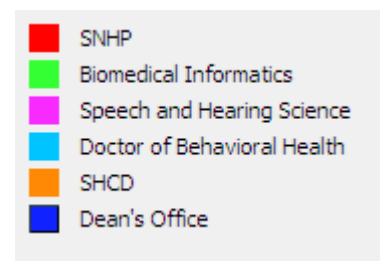


In order to maximize the potential for innovation, institutions must organize to exploit complementarities and establish new degrees of connectivity, both internally and externally, with stakeholders in the public and private sectors.....entrepreneurial universities must become highly networked...participation in such an ecosystem of networked connectivity and cooperation creates many pathways for innovators to move ideas from conception to reality.

Michael M. Crow

The Problem – Faculty Silos

ASU CHS Network – CHS Collaborators by Academic Unit



Nodes sized on in-degree or number of incoming ties
Nodes are colored by academic unit

The Process

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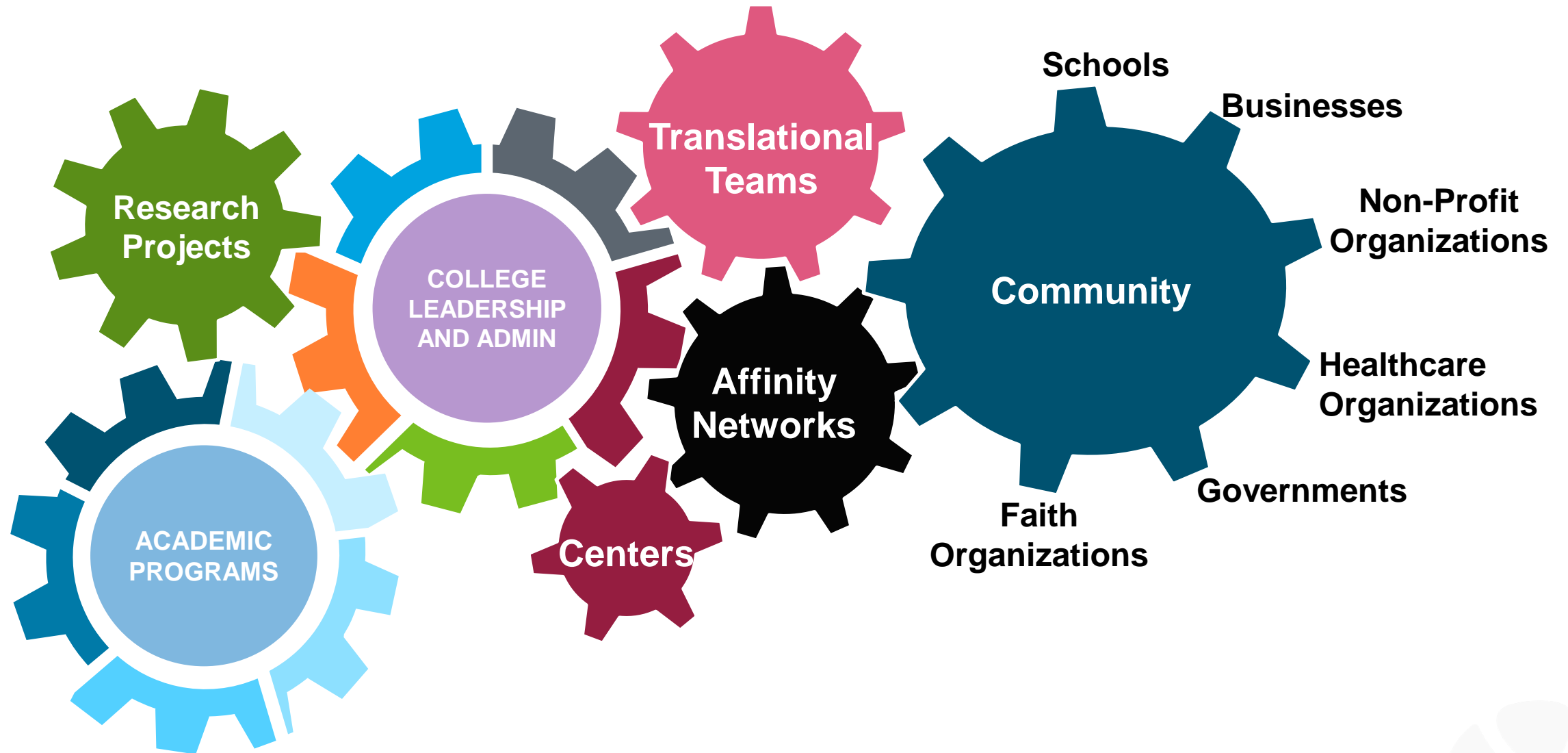
Re-Designing the College of Health Solutions

- **25** meetings with internal stakeholders, community leaders, students, faculty and staff
- Executive Visioning Team composed of **14** CHS representatives
- **13** feedback meetings on initial vision to original participants
- **3**-month visioning process
- **300** total participants

ASU COLLEGE OF HEALTH SOLUTIONS – NEW ORGANIZATIONAL PARADIGM



ASU COLLEGE OF HEALTH SOLUTIONS – NEW ORGANIZATIONAL PARADIGM



Translational Teams

Translational Teams focus on multi-faceted, complex health challenges with the long-term aim of improving the health of the population.

Key components

- teaching, research, community engagement are key components

Transdisciplinary teams

- Faculty, staff, students, community partners
- Multiple disciplines, sectors
- Junior & Senior faculty investigators
- Tenure-track and non-tenure track faculty

Initial rollout featured 3 stages/levels of team development

- Formative
- Developing
- Established

Annual evaluations

Funding available with the expectation of submitting proposals within 1-2 years



Translational Teams

Formative

Autism Spectrum Disorder

Hearing Loss in Adults: Communication, Connection, and Community

High Need, High Cost Patients

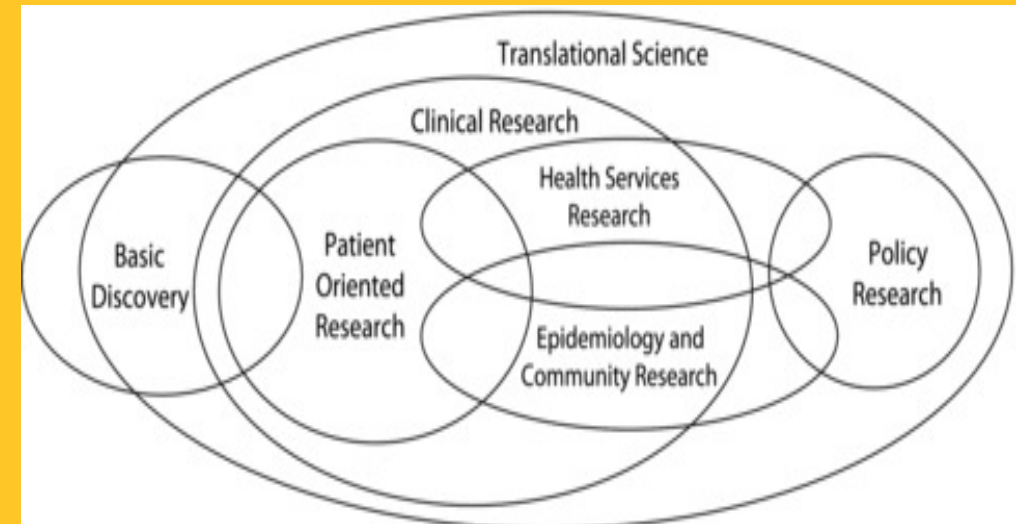
Developing

Value-Based Payment for Oral Health in Arizona

Established

Metabolic Disease Translational Team

Improving Language Outcomes in Children with Developmental Disabilities Translational Team



Affinity Networks

Self-organizing knowledge networks focused on methods and practice in order to foster new knowledge, build capacity and expertise with a long-term goal of creating resource pools within our college.

Goals

- Place for faculty and staff to work on concepts, methods, skills
- Build & create expertise networks, promote innovation, productivity
- Share & disseminate knowledge within the college, reduce silos
- Foster sense of belonging in changing environment
- Optimize resource use and access

Networks

- Incubated by staff, faculty or students
- Variable size
- Address college priorities
- Reviewed/evaluated annually

Funding is available for team development, capacity building

Affinity Networks

Dissemination and Implementation (D&I) Affinity Group

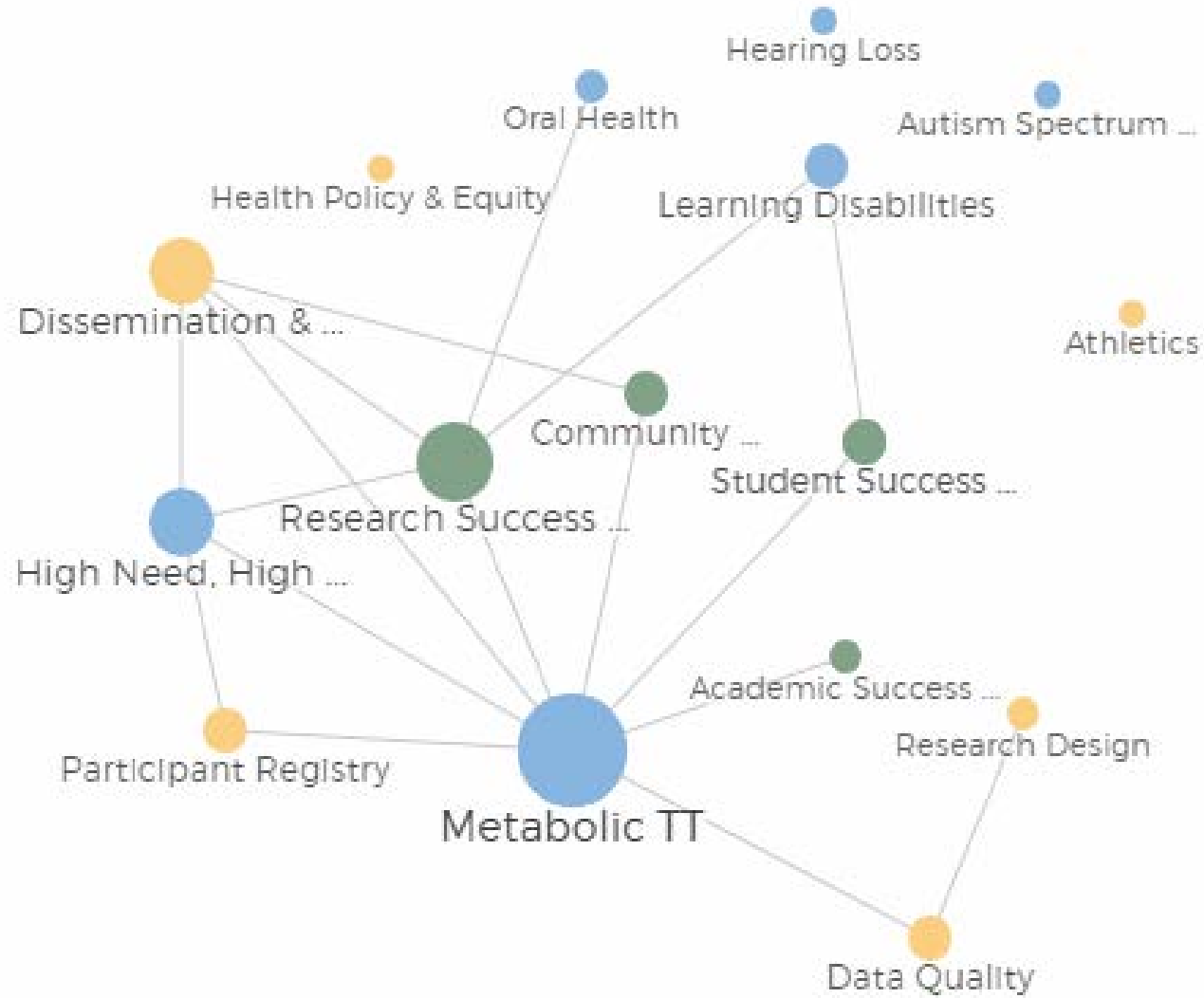
Health Policy and Equity Network (HPEN)

Athletics Affinity Network

Data Quality Network

Research Participants Network

Current Networks



Performance Metrics

Research & Scholarly Activity

Teaching

	Research & Scholarly Activity	Teaching
5	<p><u>Team Science and/or Community Engagement:</u></p> <ul style="list-style-type: none">• Faculty member is leading research in a Translational Team OR has evidence of leading alternative collaborative or team science/community engagement projects.	<ul style="list-style-type: none">• Two of the following:<ul style="list-style-type: none">• Working with educational mission of Translational Team• Working with an education-related Affinity Network to further the CHS mission
4	<ul style="list-style-type: none">• Faculty member is conducting research in a Translational Team OR has evidence of conducting alternative collaborative or team science/community engagement projects.	<ul style="list-style-type: none">• One of the above team science metrics
3	<ul style="list-style-type: none">• Faculty member has evidence of pursuing affiliation with a Translational Team for collaborative research opportunities (i.e. has identified one or more Teams) or has evidence of pursuing alternative collaborative or team science/community engagement projects.	<ul style="list-style-type: none">• No new metrics for team science

Where are we going?

- Continue to embed team science
 - Developing team science performance metrics
 - Support for new grant development
 - Training program
 - Community Partnerships Coordinator
- Establishing a competitive process
 - Disestablish underperforming teams/networks
 - Connect with Research Council
 - Seed funding
- Broadening our reach
 - Developing searchable community partnership database
 - Designing & implementing citizen science project (goal of 2000 students)
 - Developing new stand-alone learning modules

Questions?

Thank You

**What is the
vision for
team science
in an ASU
context?**



- Build community partnerships**
- Team diversity**
- Transdisciplinary collaboration**
- Training & Scholarship**
- Enhance research**
- Rapid ramp-up**