



Social Network Analysis

Measuring intersectoral collaboration in
public health

PHABC 2013

Social Network Analysis Workshop

PHABC 2013

Your organization:

Which organizations do you collaborate with?

List as many or as few as you like, up to a **maximum of 20**:

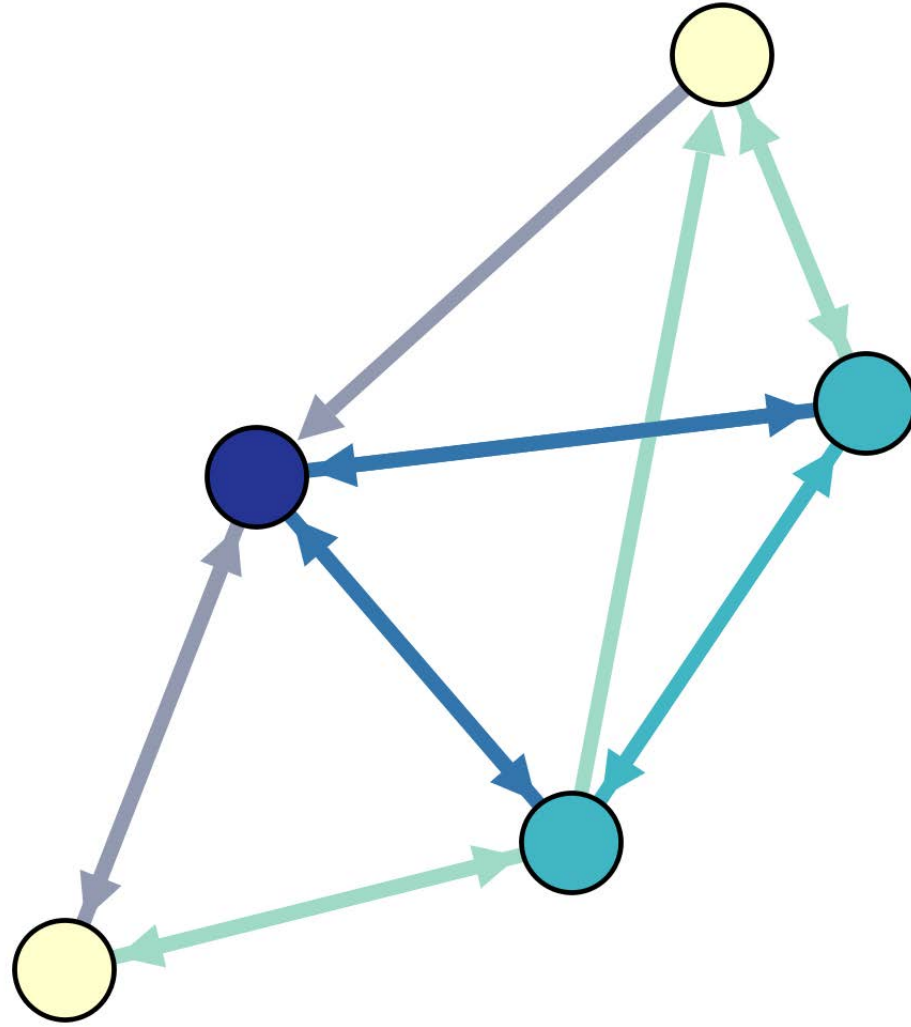
1	<input type="text"/>	11	<input type="text"/>
2	<input type="text"/>	12	<input type="text"/>
3	<input type="text"/>	13	<input type="text"/>
4	<input type="text"/>	14	<input type="text"/>

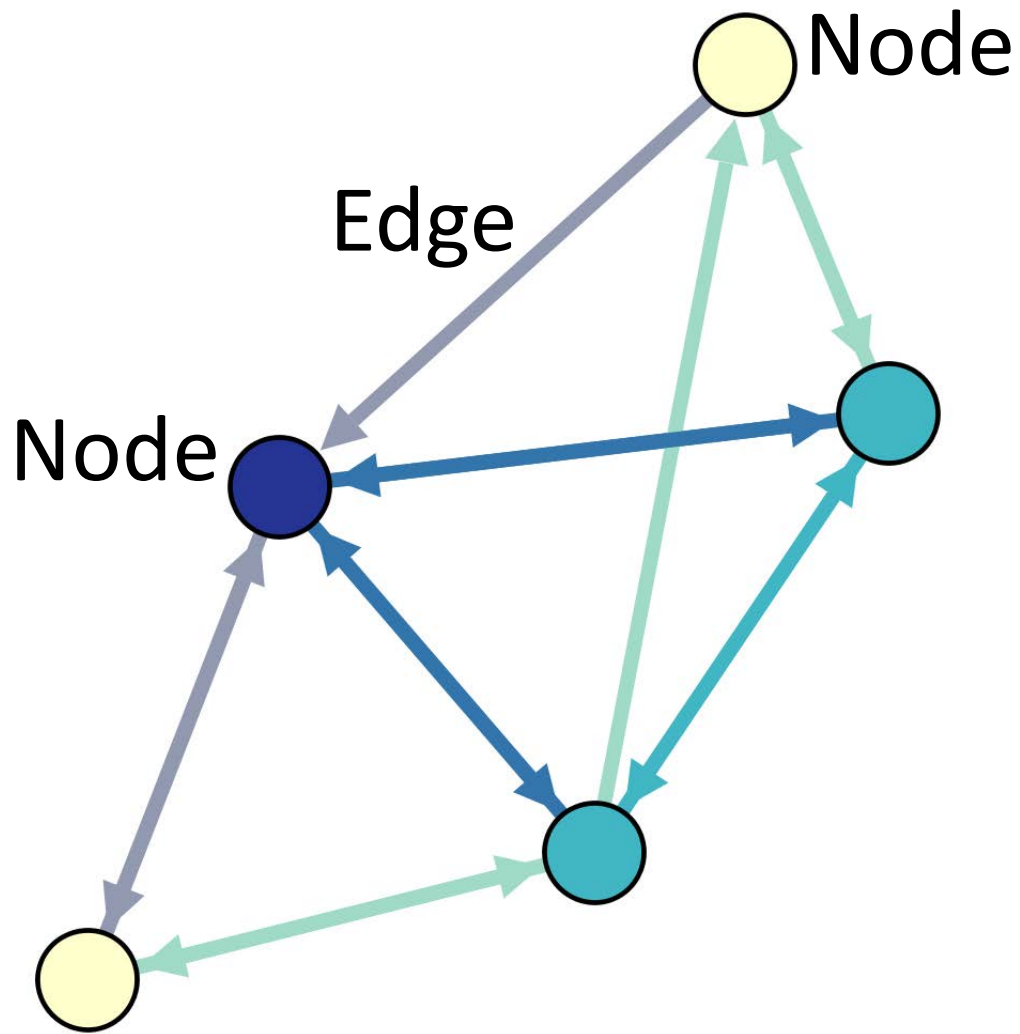
Overview

- Introduction
- Social network analysis basics
- Example: Intersectoral collaboration social network analysis study – ELPH project
- Demonstration of social network analysis
- Discussion

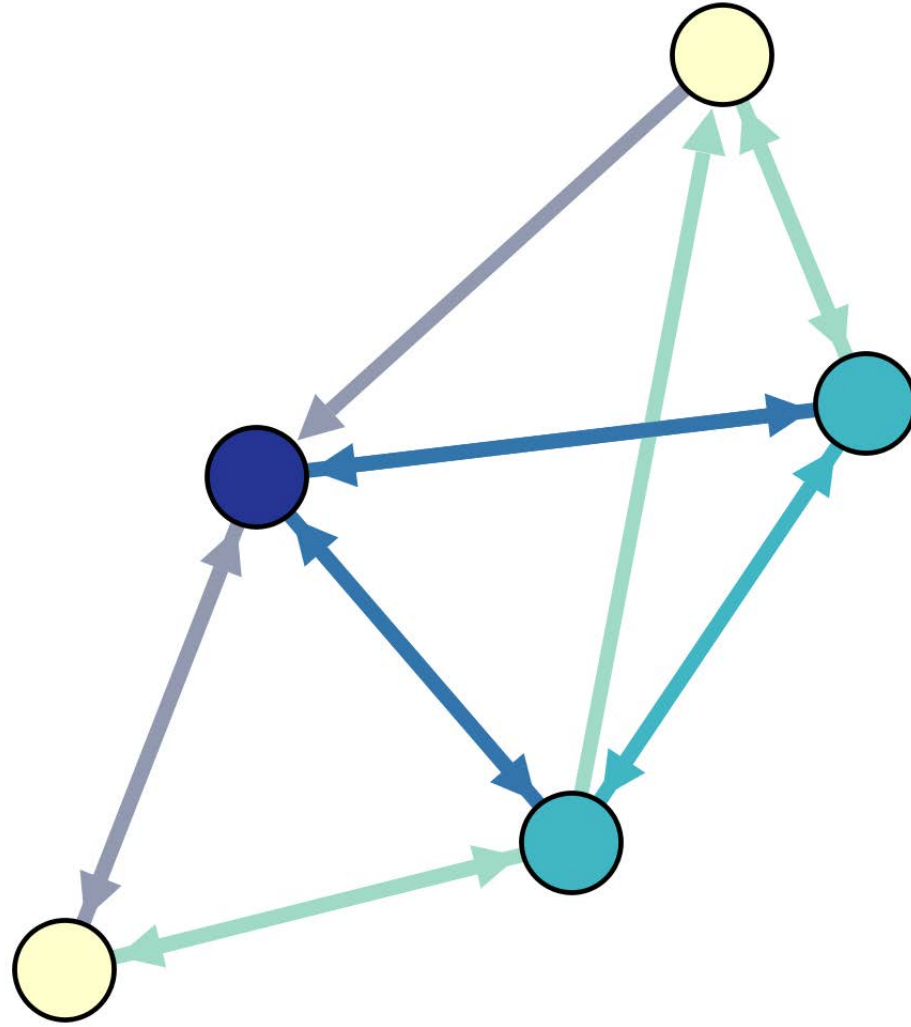
Social network analysis research in public health

- Disease transmission
- Diffusion of innovation
- Behavioural research
- Organizational networks
- Inter-organizational networks

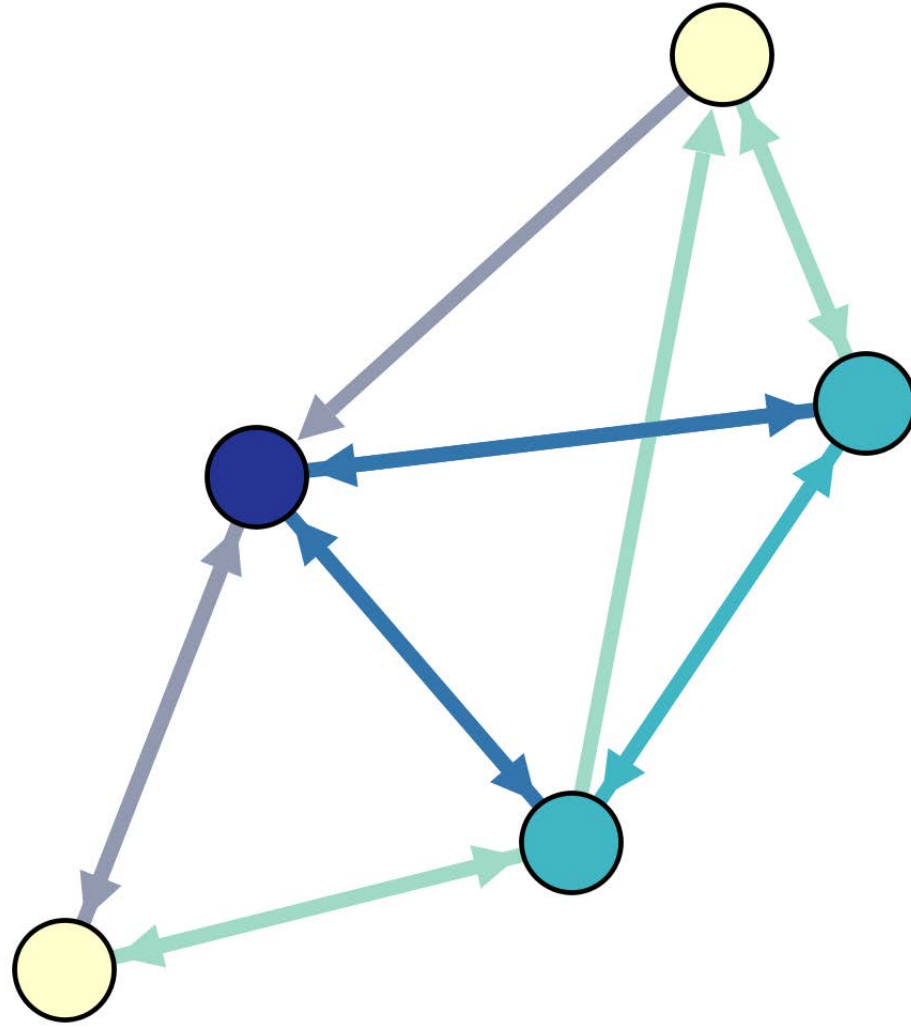


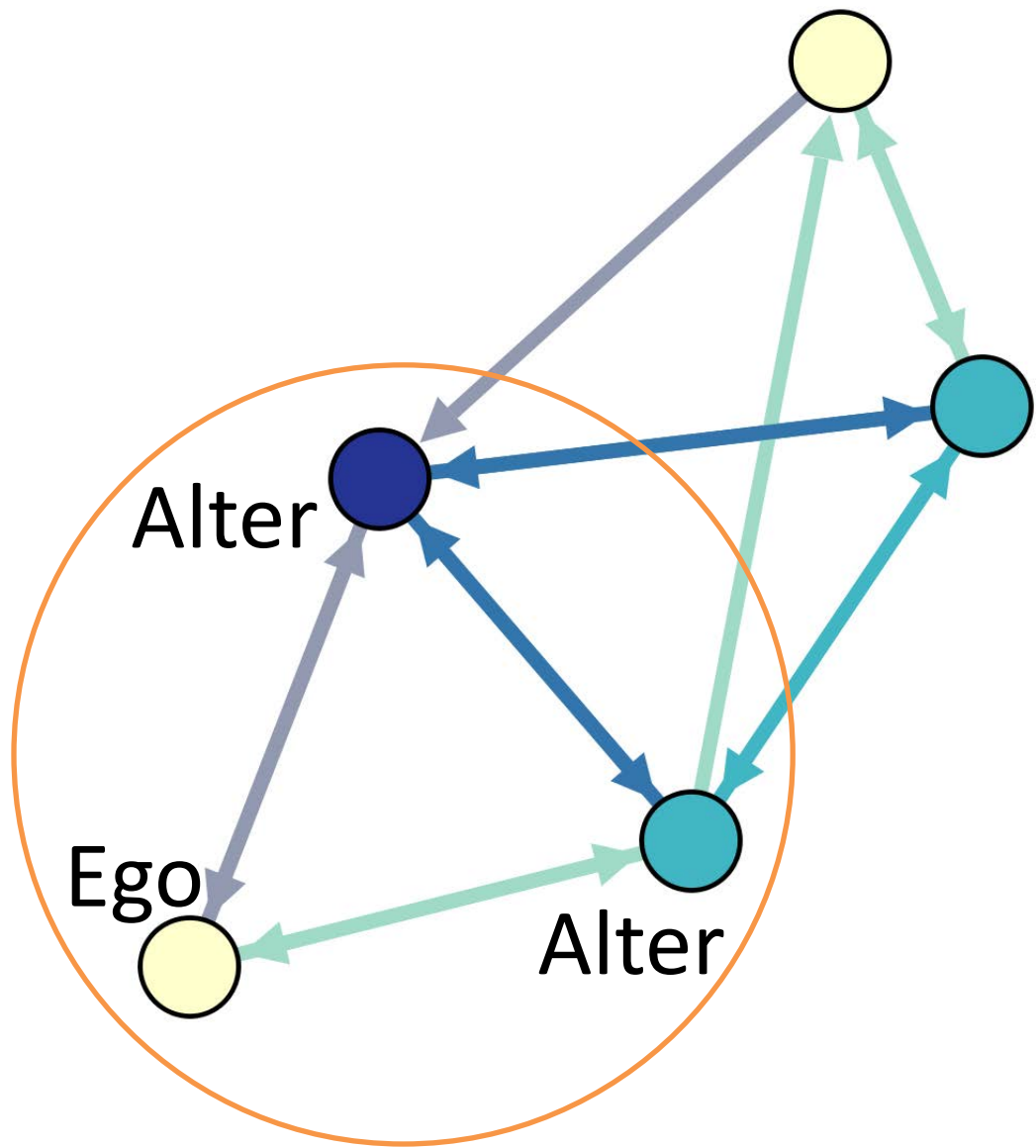


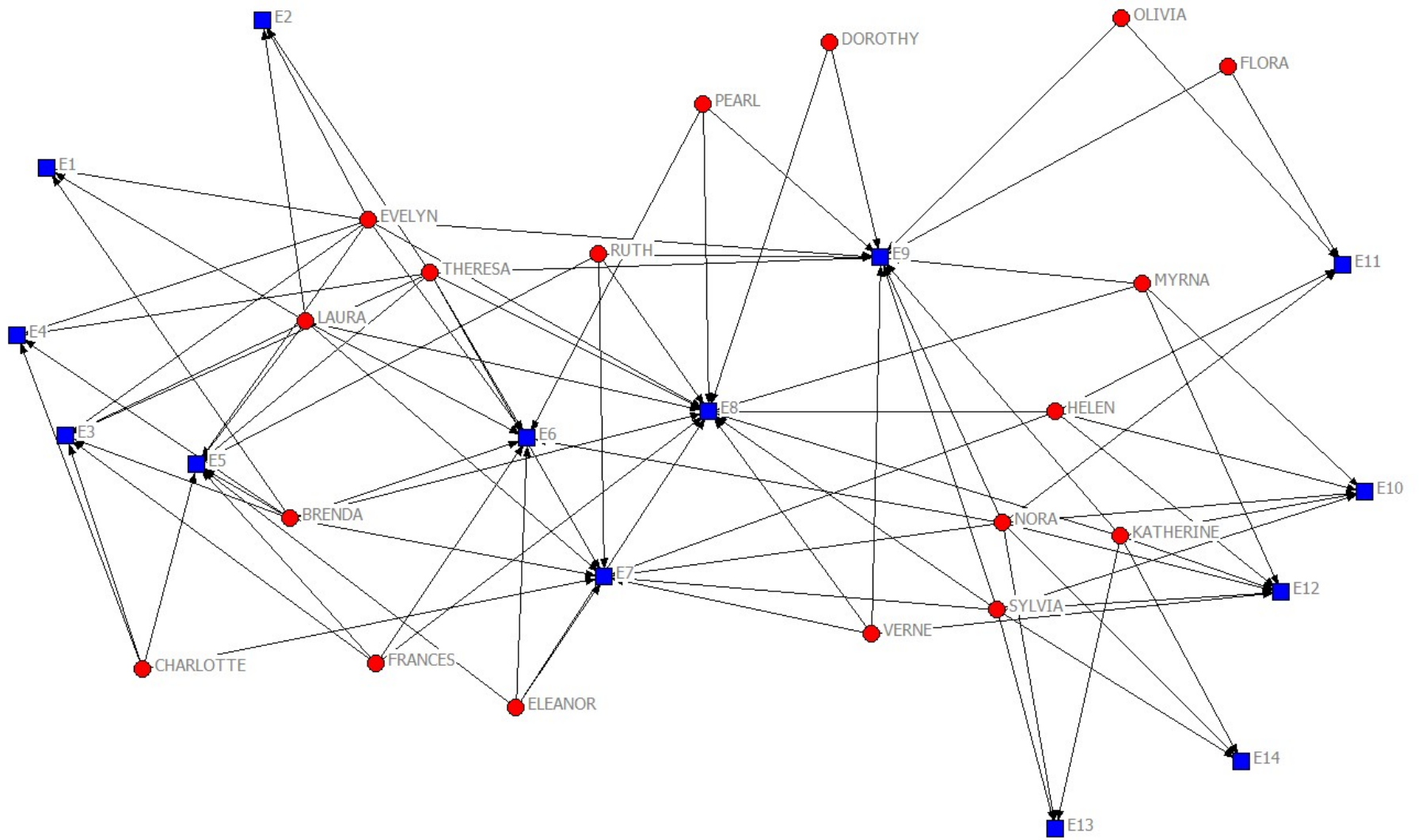
	A	B	C	D	E
A		1	1		1
B	1		1	1	1
C	1	1		1	
D	1		1		
E	1	1			



	A	B	C	D	E
A		1	1		1
B	1		1	1	1
C	1	1		1	
D	1	1	1		
E	1	1			



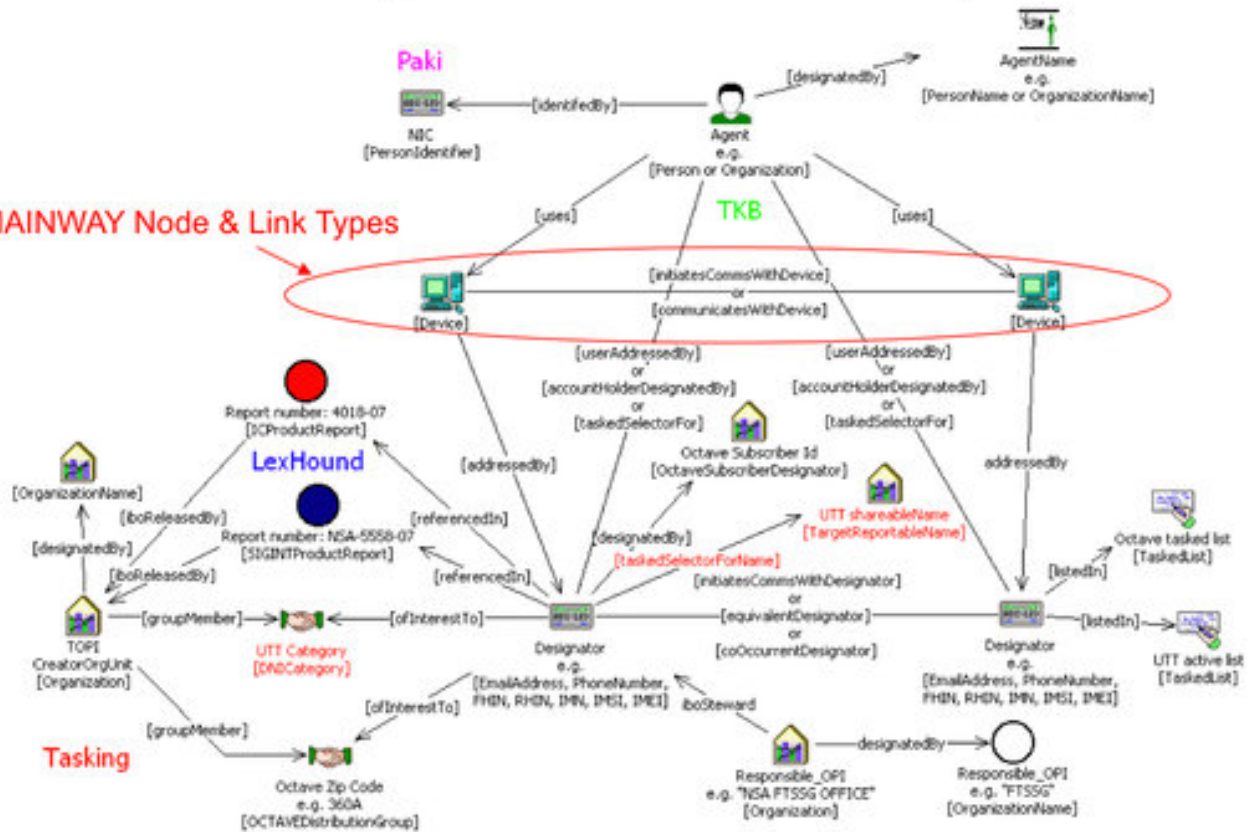


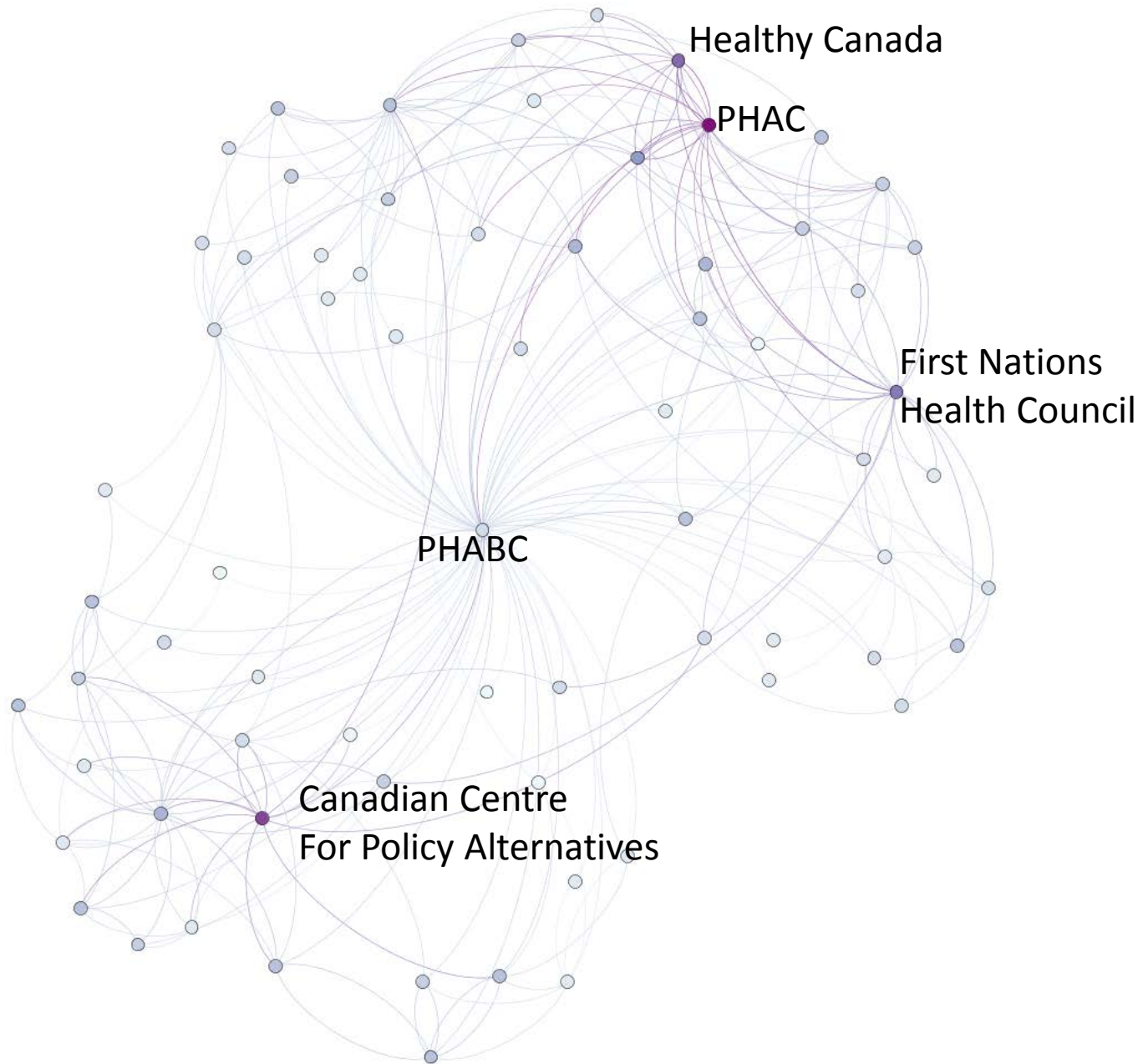


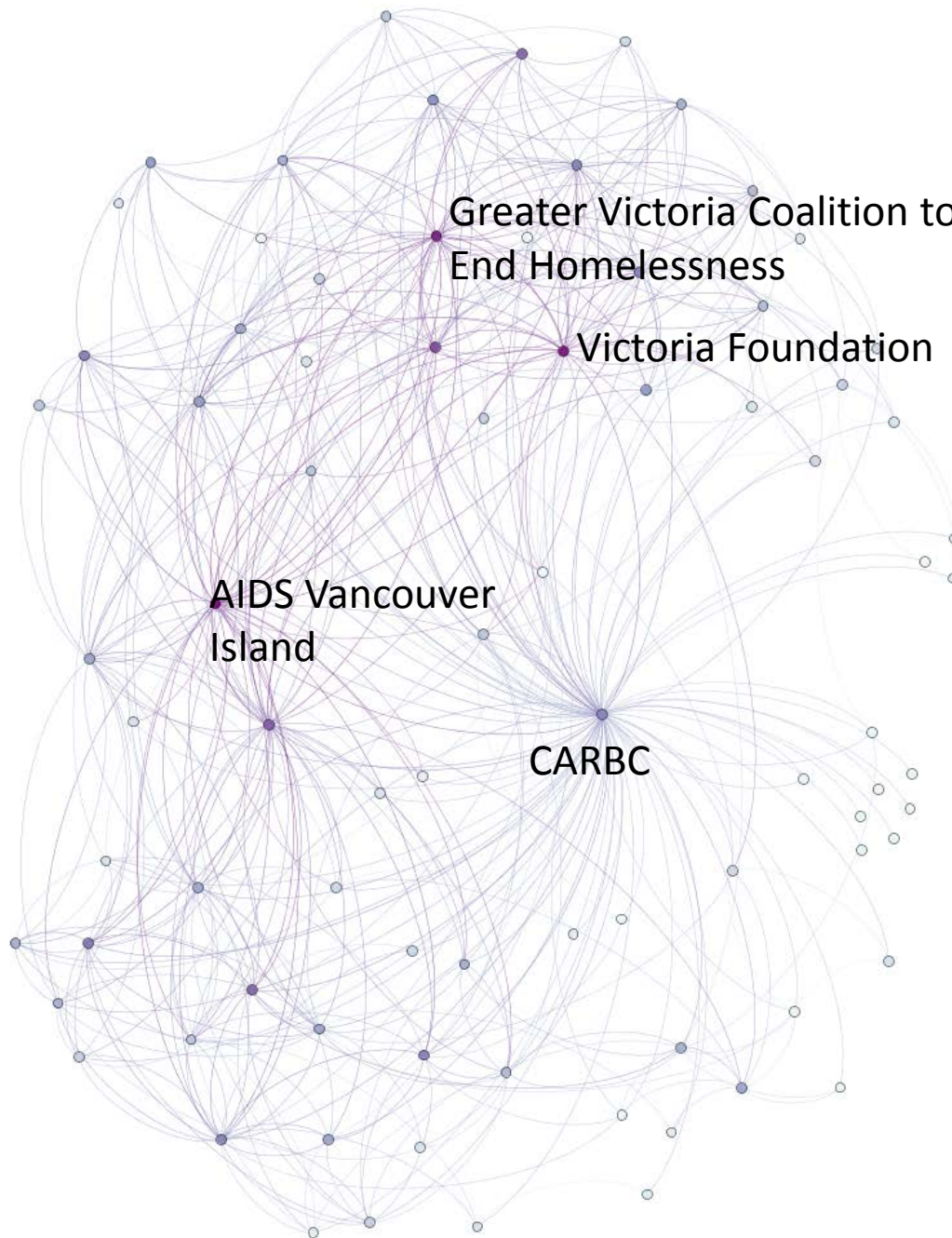
(S//SI//REL USA, FVEY) SYANPSE Data Model

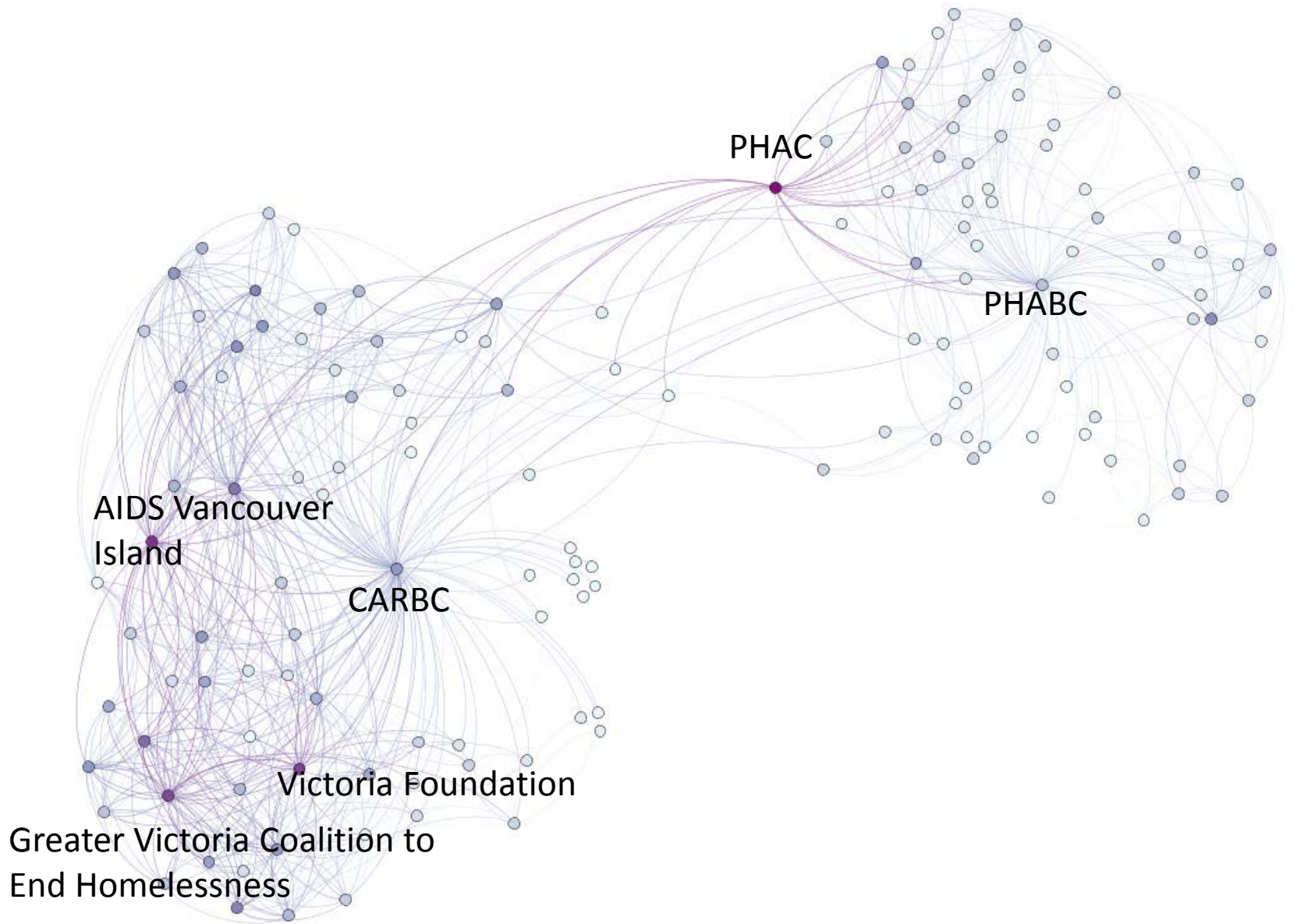
CLASSIFICATION: SECRET//COMINT//REL TO USA, AUS, CAN, GBR, NZL//20291123

MAINWAY Node & Link Types









Intersectoral Collaboration for Health Inequities Reduction



Equity Lens in Public Health

- Who do public health practitioners engage with?
- What opportunities exist to strengthen intersectoral engagement?
- How does this change over time?

Collecting SNA data

- Demographics
- List generating questions
- Relationship type
- Relationship qualities
- Alter-alter questions

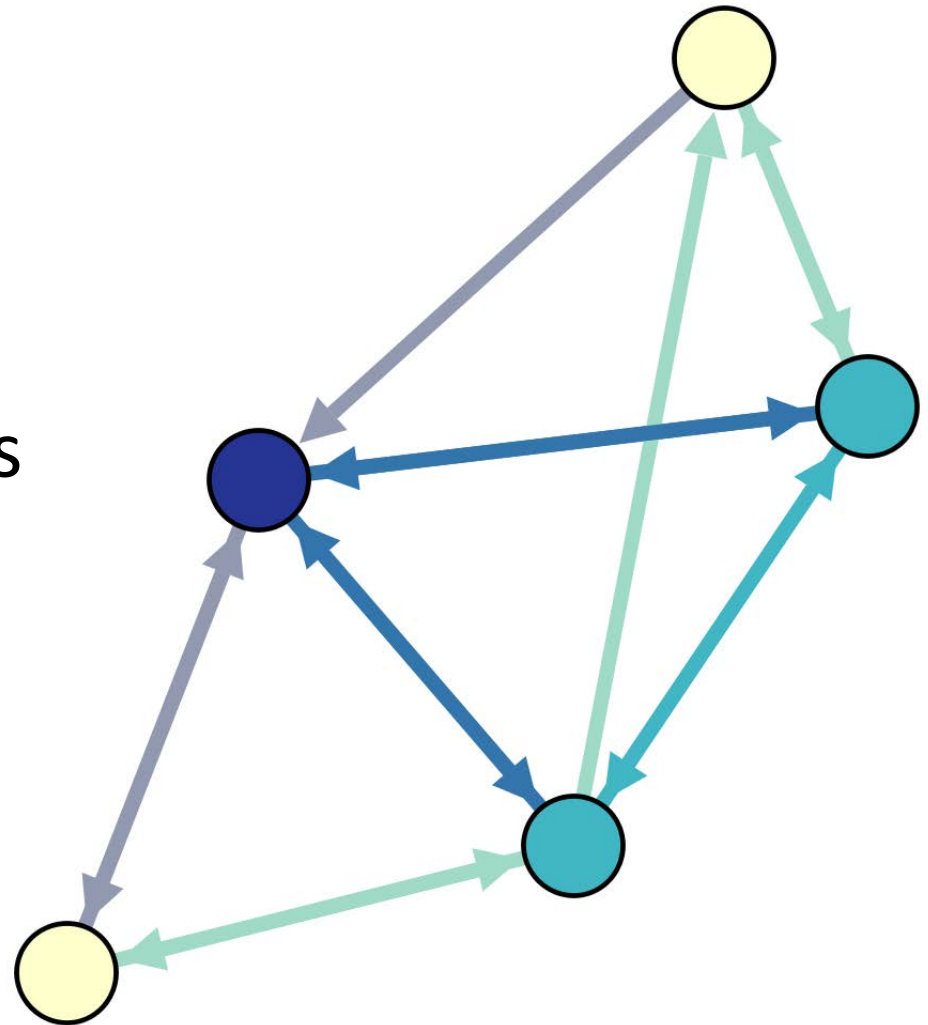
Question Examples

- Who do you collaborate with in relation to harm reduction? [respondent lists collaborators]
- What is the nature of your work together? [advocacy, funding, committees, supply availability etc.]
- This collaboration is more effective than average in meeting my organization's goals in related to harm reduction.

Strongly disagree	Disagree	Slightly disagree	Neutral	Slightly agree	Agree	Strongly agree
-------------------	----------	-------------------	---------	----------------	-------	----------------

Analysis

- Generating maps
- Network measures
- Possibility of connecting networks

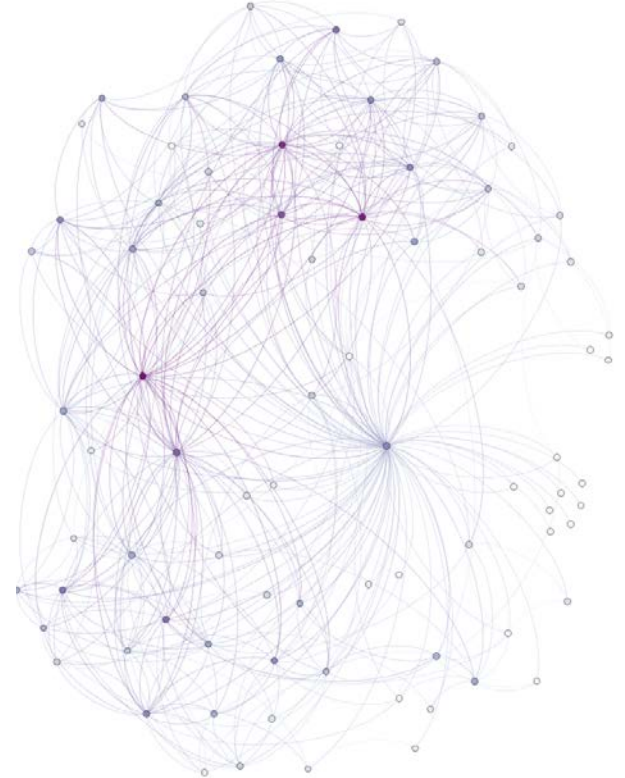
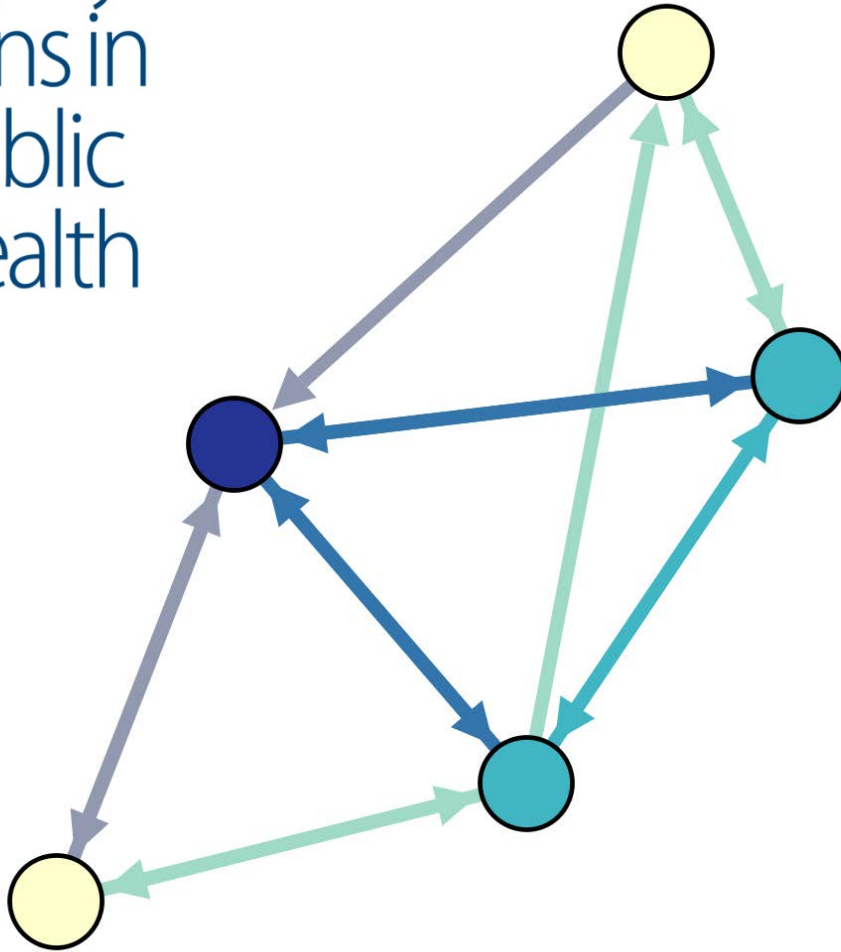


Software

- PARTNER Tool
- Gephi
- Netvizz – Facebook application
- UCINET
- EgoNet - egocentric data
- Pajek
- R

Questions?

Equity
Lens in
Public
Health



Funders



CIHR IRSC

Canadian Institutes of Health Research Instituts de recherche en santé du Canada



**Public Health
Agency of Canada**

**Agence de santé
publique du Canada**