MODULE 1: APPENDIX

Reachable path of infection

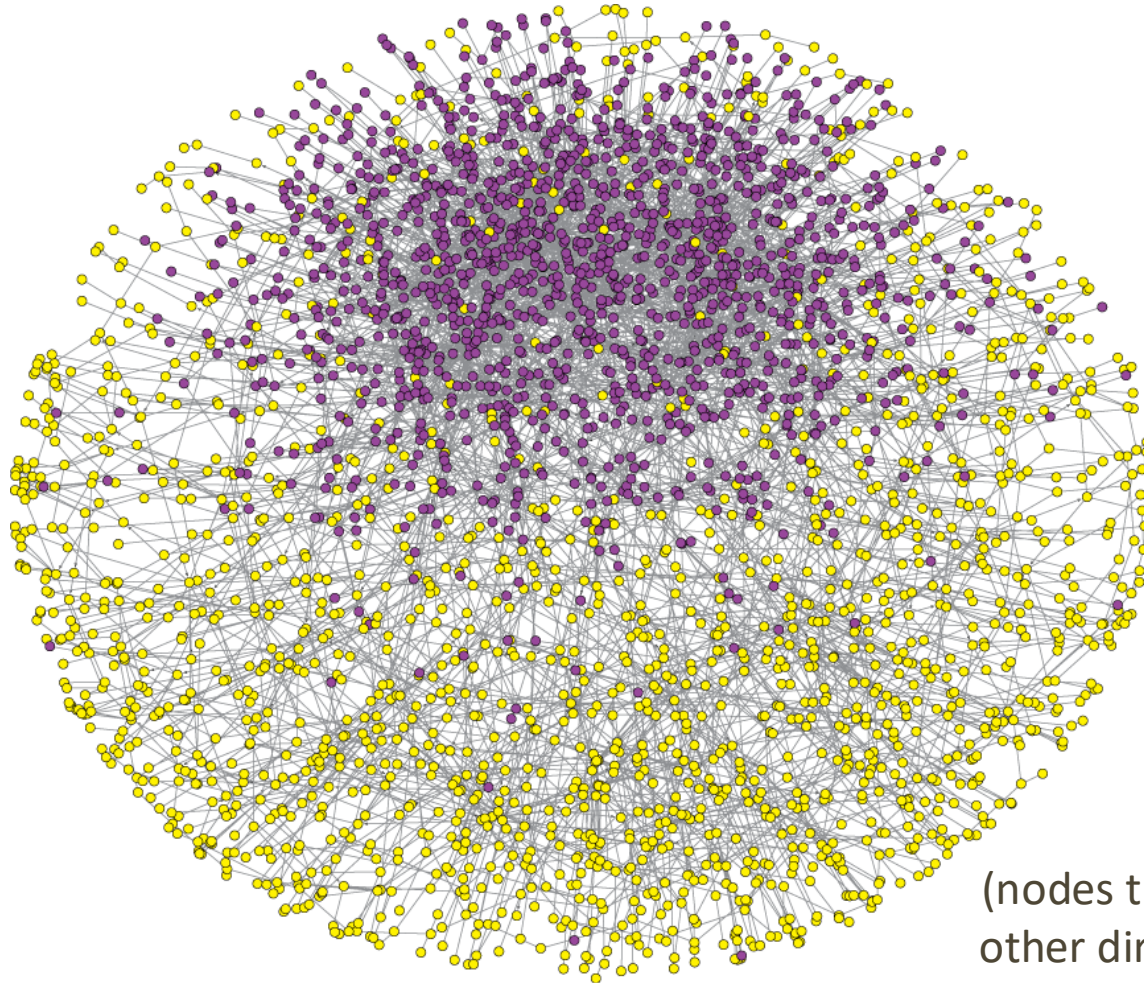Example visualizations

The reachable path

- The *reachable path* in a network is determined
  - Not by the partnerships at any single point in time
  - Nor by the cumulative total over time

- But by the

  cumulative time ordered sequence of partnerships

Cumulative connectivity: a network collapsed over time

10,000 nodes

2 demographic
groups

10 years
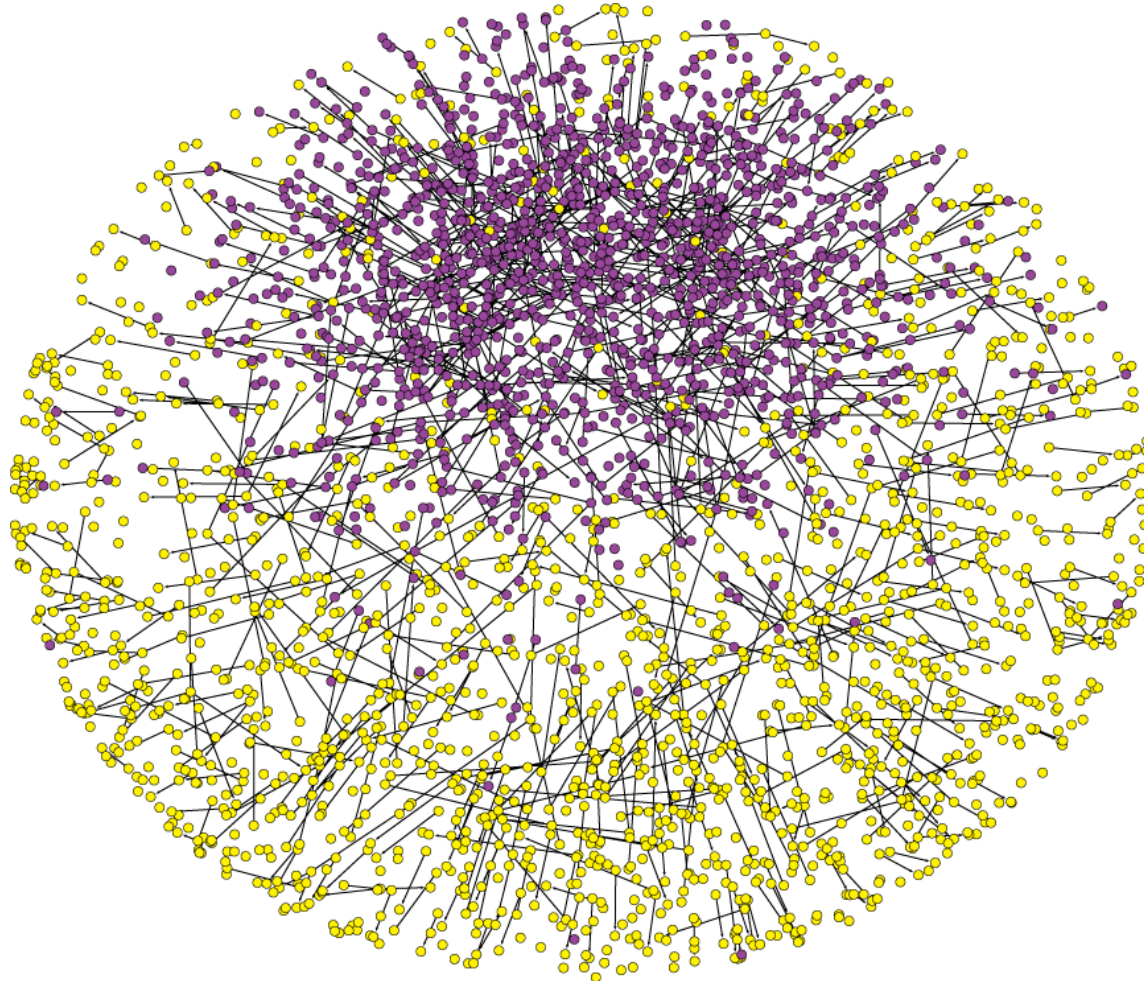of partnership
activity

99.7%

Connected

(nodes that can reach each
other directly, or indirectly)

Daily connectivity: A momentary snapshot

Almost all components are size 2 or smaller

The largest components have 5-6 nodes
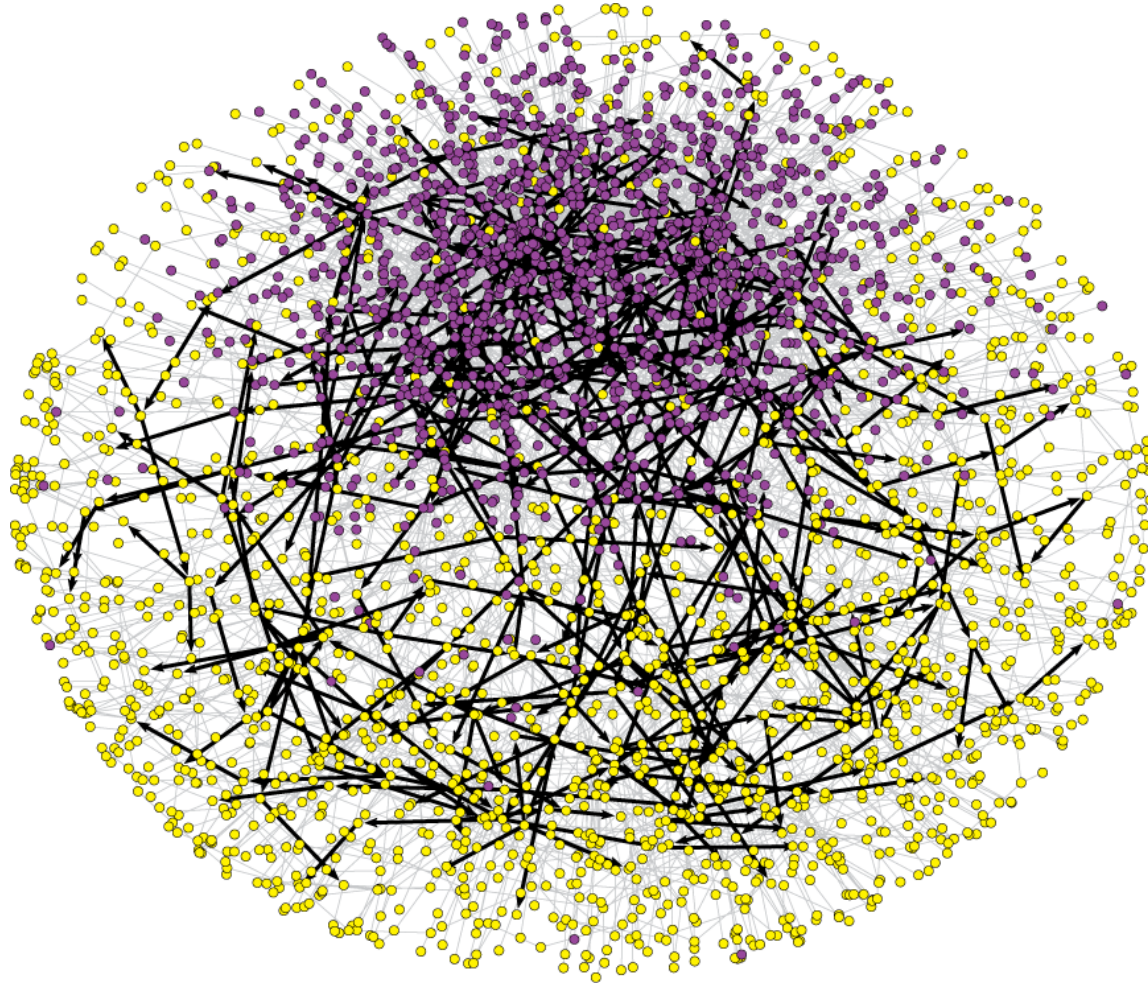

0.06%

connected

The reachable path: different than both of these

From 10 initial seeds

Trace out:

The cumulative time-ordered path of partnerships

Over 10 years

5.0%

Reachable