**Appendix: Blinded Network Survey Instrument**

**Part A-1: Health Care Organizations**

For each health care organization in the table, please indicate whether you have worked together in the last 12 months. If so, check the boxes corresponding to activities that you do together.

If you have relationships with organizations *not* listed, you can **write-in** those organizations in at the end of the table.

|  |  |
| --- | --- |
|  | **How have you worked together in the past 12 months?** |
|  | Have you worked together in the past 12 months? | Client Referrals | Sharing information about clients | Co-sponsor activities (programs/advocacy) | Financial relationships/contracts | Community needs assessment | Other (fill in) |
| [Organization 1] | Yes No My org.  |  |  |   |   |  |  |
| [Organization 2] | Yes No My org.  |  |  |   |   |  |  |
| [Organization 3] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 4] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 5] | Yes No My org.  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**Part A-2: Social Services Organizations**

For each social services organization in the table, please indicate whether you have worked together in the last 12 months. If so, check the boxes corresponding to activities that you do together. If you have relationships with organizations *not* listed, you can write those organizations in at the end of the table.

|  |  |
| --- | --- |
|  | **How have you worked together in the past 12 months?** |
|  | Have you worked together in the past 12 months? | Client Referrals | Sharing informationabout clients | Co-sponsor activities (programs/advocacy) | Financial relationships/contracts | Community needs assessment | Other (fill in) |
| [Organization 1] | Yes No My org.  |  |  |   |   |  |  |
| [Organization 2] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 3] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 4] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 5] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 6] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 7] | Yes No My org.  |  |  |  |  |  |  |
| [Organization 8] | Yes No My org.  |  |  |  |  |  |  |

**Appendix Table 1. Comparison of normalized centrality measures in high performing vs. low performing HSAs**

|  |  |  |
| --- | --- | --- |
|  | Normalized Centrality Measures |  |
| Measure2 | **High performing HSAs** |  | **Low performing HSAs** |   | **p-value for difference high vs. low 1** | **DF** |
| Healthcare |  |  |  |  |  |  |  |
|  Betweenness (n=57) | 0.04 |  | 0.01 |  | 0.004 | \*\*\* | 19 |
|  Outdegree (n=57) | 0.52 |  | 0.34 |  | 0.002 | \*\*\* | 19 |
|  Indegree (n=116) | 0.34 |  | 0.22 |  | 0.020 | \*\* | 20 |
|   |   |   |   |   |  |  |  |
| Social Services |  |  |  |  |  |  |  |
|  Betweenness (n=132) | 0.03 |  | 0.05 |  | 0.062 | \* | 20 |
|  Outdegree (n=132) | 0.45 |  | 0.54 |  | 0.185 |  | 20 |
|  Indegree (n=178) | 0.32 |  | 0.30 |  | 0.617 |  | 20 |
|  |  |  |  |  |  |  |  |
| All organizations |  |  |  |  |  |  |  |
|  Betweenness (n=189) | 0.03 |  | 0.04 |  | 0.460 |  | 20 |
|  Outdegree (n=189) | 0.47 |  | 0.47 |  | 0.974 |  | 20 |
|  Indegree (n=294) | 0.33 |  | 0.27 |  | 0.171 |  | 20 |

1 \* p < 0.10, \*\* p < 0.05, \*\*\* p < 0.001

2Betweenness centrality indicates the extent to which a node falls along the shortest path between two other nodes, and indicates a brokering or gatekeeping role. Indegree centrality reflects ties received, and indicates prestige. Outdegree centrality indicates ties sent, and indicates tendency toward outreach or gregariousness. Betweenness centrality and outdegree centrality were calculated only for survey respondents (n=189), because those measures would be lower for organizations that did not complete the survey to nominate out-ties. Indegree centrality was calculated for all organizations listed on the survey (n=294) because all listed organizations had the opportunity to have ties nominated by survey respondents.