Social Network Analysis
Webinar Overview
Social Network Analysis (SNA)
Webinar Overview

• **Background and Applicability:**
  - What is SNA?
  - How can it benefit IPS grantees?
  - How can SNA enhance
    - Prosecution?
    - Research and evaluation?

• **Presentations:** East Baton Rouge, LA + Shelby County, TN
• **Open Discussion**
• **Webinar wrap-up**

Previous Webinars

- Webinar #1: Introduction to IPS Project; Overview of Grantees’ Projects
- Webinar #2: Implementation Metrics
  - How research partners measure and evaluate implementation of IPS crime reduction strategies
- Webinar #3: The Researcher-Practitioner Partnership
  - Topics discussed include:
    - (1) Initiating and fostering partnerships
    - (2) Partnership successes
    - (3) Partnership challenges
    - (4) Sustainability

Webinar materials available online: https://aequitasresource.org/singleinitiative/?initiativeId=%2013
### Innovative Prosecution Solutions

<table>
<thead>
<tr>
<th>Site</th>
<th>Grant Year</th>
<th>IPS Focus</th>
<th>Site</th>
<th>Grant Year</th>
<th>IPS Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronx, NY</td>
<td>2019</td>
<td>Violent crime</td>
<td>Nassau County, NY</td>
<td>2019</td>
<td>Gang-related crime</td>
</tr>
<tr>
<td>Cleveland, OH</td>
<td>2019</td>
<td>Violent crime</td>
<td>Chicago, IL</td>
<td>2019</td>
<td>Financial and cybercrimes</td>
</tr>
<tr>
<td>Hilo, HI</td>
<td>2019</td>
<td>Violent crime</td>
<td>Hocking County, OH</td>
<td>2019</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>York County, PA</td>
<td>2019</td>
<td>Violent crime</td>
<td>New Orleans, LA</td>
<td>2019</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Flint, MI</td>
<td>2019</td>
<td>Violent, gang-related crime</td>
<td>East Baton Rouge, LA</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Long Beach, CA</td>
<td>2019</td>
<td>Violent crime, chronic recidivism</td>
<td>Clare County, MI</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Rockdale County, GA</td>
<td>2019</td>
<td>Domestic violence homicides</td>
<td>Covington County, AL</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Phoenix, AZ</td>
<td>2019</td>
<td>Gun violence</td>
<td>Marion County, IN</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Plymouth County, MA</td>
<td>2019</td>
<td>Gun violence</td>
<td>Montgomery County, TX</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Cook County, IL</td>
<td>2017</td>
<td>Gun violence</td>
<td>Shelby County, TN</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Wayne County, MI</td>
<td>2017</td>
<td>Gun violence</td>
<td>Wayne County, MI</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Cobb County, GA</td>
<td>2019</td>
<td>Sexual assault</td>
<td>Wisconsin</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>San Diego, CA</td>
<td>2017</td>
<td>Domestic violence</td>
<td>Worcester, MA</td>
<td>2018</td>
<td>Opioid crisis</td>
</tr>
<tr>
<td>Nashville, TN</td>
<td>2017</td>
<td>Human trafficking</td>
<td>Yolo County, CA</td>
<td>2019</td>
<td>Crime trends, chronic offending</td>
</tr>
<tr>
<td>Jacksonville, FL</td>
<td>2019</td>
<td>Gang-related violent crime</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Innovative Prosecution Solutions: Poll Question #1

**Poll Q 1:** Have you had any past experience with SNA?

**Poll Q 2:** Do you plan to use/are using SNA on your IPS project?

**Poll Q 3:** If you are not currently utilizing SNA on your IPS grant, would you be interested in doing so?
Social Network Analysis: Definition

Social network analysis is a method that shows the relationship between individuals, and how strong or weak these ties are.
Social Network Analysis:
Enhancing Research/Evaluation

Types of information SNA can identify and measure:

- Identification and strength of relationships between individuals, based on:
  - Density
  - Centralisation
  - Indegree centralization
  - Outdegree centralization
  - Degree centrality
  - Betweenness centrality


Social Network Analysis:
How SNA Identifies/Measures Relationships

Network Measures

Higher network importance = Higher betweenness

Ingram (2011): Visualising Data: Seeing is Believing
http://www.michael-ingram.co.uk/2011/07/visualising-data-seeing-is-believing/
SNA as an Investigative Tool:
Enhancing Prosecution + Evaluation

IPS Grantee Presentation #1: East Baton Rouge, LA

How the IPS grant in East Baton Rouge, LA has utilized SNA
IPS Grantee Presentation #2: Shelby County, TN

How the IPS grant in Shelby County, TN has utilized SNA

Poll + Open Discussion
Webinar Wrap-Up

• Discussion takeaways from the webinar will be distributed.

• Webinar will be posted on the IPS webpage; link will be provided.

• Any topics or issues raised for further discussion will be researched.

• Final questions or comments from participants?

• Thank you!

IPS Training and Technical Assistance Team

AEquitas:
John Wilkinson: jwilkinson@aequitasresource.org
Holly Fuhrman: hfuhrman@aequitasresource.org
Mary MacLeod: mmacleod@aequitasresource.org
Dalia Racine: dracine@aequitasresource.org
Jane Anderson: janderson@aequitasresource.org
Patti Powers: ppowers@aequitasresource.org
Jon Kurland: jkurland@aequitasresource.org
Beth McGarry: bethmrgarry@gmail.com
Kristine Hamann: khamann@pceinc.org

RTI:
Camille Gourdet: cgourdet@rti.org
Samuel Scaggs: sscaggs@rti.org
Venita Embry: vembry@rti.org
Debbie Dawes: ddawes@rti.org