

Mapping the Data Flow: SHENE Describing the Informatics Infrastructure in a Public Health Department Alexandra J. Schwach, MPH^{1,2}, Benjamin Cooper, MPH³ and Eleanor Peters, MSPH, MA¹ ¹St. Louis County, ²Informatics Training in Place Program, ³Washington University in St. Louis

inactive or vulnerable data connections.

conducted exploratory interviews to We discover and investigate the current data connections that link the St. Louis County Department of Public Health (DPH) electronic health record (EHR) to both internal and external data systems.



This study/report was supported in part by the Informatics – Training in Place Program funded by the Centers for Disease Control and Prevention (CDC) Cooperative Agreement 3U38-OT000143-01S3. I am grateful for the invaluable help and generous support of the following individuals: Edgar Enslin, Dr. Hilary Reno, William Braun, Susan Wilson, Al Swanegan, Phil Betts, the DPH and St. Louis County IT departments, and DPH administration.



Successful informatics projects require a solid understanding of the

• who has access to the data and at what stages

where data flows to and/or from

Proper understanding of the data infrastructure remains essential to productivity, cost savings, and security. The interviews revealed a variety of data sources and connections previously unknown to many DPH employees. The data map will be considered a living document, reviewed and updated on a regular basis. Establishing ownership of the document remains critical ensuring sustainability for future projects. Information from this project will help to inform creation of data dashboards and lay the foundation for enhanced surveillance systems within DPH.

We plan to survey employees to collect feedback on this data map and assess ways to improve the document's usefulness. We are exploring ways in which DPH can more fully utilize these connections and resources while other, now defunct connections may need to be refreshed or deactivated to reduce costs and maximize