Translating Data into Action: What Story Does the Data Tell Us?

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Overview

- Departmental Mission/Vision
- Ten Essential Public Health Services
- JCHDE Clinic Numbers
- AIMS Study
- Change in Clinical Services
- Q & A
JCDHE Vision and Mission

Our Vision:
The Innovative Leader for Community Health and Environmental Protection

Our Mission:
To Protect the Health and Environment, Prevent Disease and Promote Wellness for All Who Live, Work and Play in Johnson County through Exceptional Public Service
Ten Essential Public Health Services
Services Offered

- Services:
  - Family Planning by appointment and drop in
  - STI Clinic-Drop in
  - Prenatal Program-appointment only
  - Immunizations-drop in only
  - Colposcopy/LEEP clinic
  - LARC clinic-by appointment
- County Health Officer and Medical Advisor - Joe LeMaster, MD
JCDHE by the numbers

- 2017 Visits = 15,366 (FP/ST/PN)
- 2017 Clients seen = 10,398 (FP/ST/PN)
- Johnson County population = 580,000
- Two clinic sites: 15 miles apart
- 5 APRN, 6 Nurses, 1 CNA, 3 Social workers, in house lab with 4 Lab Techs
2016 Visits Per Site

![Graph showing visits per site in 2016 with two lines representing Mission-14012 and Olathe-14005. The graph displays monthly visits ranging from approximately 350 to 850 visits.](image-url)
Mapping Study

AIMS Study-
14 years of Data
2003-2017
Spatial bounding box for analyses

Number of encounters by county (2003-2017 all data)

- 807,487 encounters
- 89% Johnson
- 5.6% Wyandotte
- 2% Jackson, MO
Analyses results 1 – graphs, examples

**HlthSvcs, all distance values**

- **Sum**
- **Mission**
- **Olathe**

**AllProg, 2017**

- **Mission**
- **Olathe**
Analyses results 2 – maps of Emerging Hot Spot Analysis

Emerging Hot Spot Analysis, AllProgAllLoc200320173M1320Ft

- Mission Clinic
- Olathe Clinic

EMERGING HOT OR COLD SPOTS
- <all other values>
- New Hot Spot
- Intensifying Hot Spot
- Persistent Hot Spot
- Diminishing Hot Spot
- Historical Hot Spot
- New Cold Spot
- Intensifying Cold Spot
- Persistent Cold Spot
- Diminishing Cold Spot
- Historical Cold Spot

Neighborhood distance: 10560 feet
Neighborhood time step intervals: 1

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Miles scale:
0 2 4
“October Surprise”

- July, 2017 - Proposal was presented to Staff on potential clinical changes based on data.
- August 16, 2017 - RN recommendations based on SBAR-Situation, Background, Assessment & Recommendation
- August 25, 2017 - ARNP meeting = decision time
“October Surprise” cont’d

• Outcomes: Shift services where they are needed most; all prenatal care shifted to Olathe clinic.
• Mostly drop in services at Mission clinic with built in Open Access
• Open Access is defined as open appointment slots for same day, 1 hour slot to allow flexibility for drop ins.
• All effective October 2, 2017
“October Surprise” cont’d

- November 17, 2017-Plus/Delta check in, what is going well/need to change?
- January 26, 2018-check in-Open Access concept abandoned
- May 2018 re-evaluation
Appointment vs. Drop In

• Question: Why would we continue to hold appointments for patients that do not show up 50% of the time?

• Answer: we should not, it is a waste of resources.
What are your thoughts?
Sources:

- Johnson County Department of Health and Environment
  [https://www.jocogov.org/dept/health-and-environment/home](https://www.jocogov.org/dept/health-and-environment/home)
Questions?

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