LEWIS AND CLARK
INFORMATION EXCHANGE

What Does Population Health Mean to LACIE

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Exchange

Population Health – Defining the Population

- Planet

- Continent

- Country

- State/ Large Region - Group

- Community/ Smaller Region - Group

- Individual

- Specific Disease

Where Health Information Organizations Can Be Most Impactful

Goals of Population Health From an HIO Perspective

1. Promote Wellness through the aggregation of data from multiple contributors

2. Prevent/ Delay and Minimize Disease Processes through the transformation of:

   Data to Information to Knowledge to Wisdom

   Results in the ability to produce actionable data

Current Population Health Initiatives

- University of Kansas Hospital ACO Reporting

- Kansas City Metropolitan ACO/ MIPS/ CPC Reporting

- Meritas Health MIPS/ CPC+ Reporting

- Kansas Clinical Improvement Collaborative ACO

Examples of Required Data

	MEASURE NAME
1	MEASURE NAME
2	Acute Otitis Externa (AOE): Systemic Antimicrobial Therapy - Avoidance of Inappropriate Use
3	Acute Otitis Externa (AOE): Topical Therapy
4	Adherence to Antipsychotic Medications For Individuals with Schizophrenia
5	Adult Kidney Disease: Blood Pressure Management
6	Adult Kidney Disease: Catheter Use at Initiation of Hemodialysis
7	Adult Kidney Disease: Catheter Use for Greater Than or Equal to 90 Days
8	Adult Kidney Disease: Referral to Hospice
9	Adult Major Depressive Disorder (MDD): Coordination of Care of Patients with Specific Comorbid Conditions
10	Adult Primary Rhegmatogenous Retinal Detachment Surgery: No Return to the Operating Room Within 90 Days of Surgery
11	Adult Primary Rhegmatogenous Retinal Detachment Surgery: Visual Acuity Improvement Within 90 Days of Surgery
12	Adult Sinusitis: Antibiotic Prescribed for Acute Sinusitis (Overuse)
13	Adult Sinusitis: Appropriate Choice of Antibiotic: Amoxicillin With or Without Clavulanate Prescribed for Patients with Acute Bacterial Sinusitis (Appropriate Use)
14	Adult Sinusitis: Computerized Tomography (CT) for Acute Sinusitis (Overuse)
15	Adult Sinusitis: More than One Computerized Tomography (CT) Scan Within 90 Days for Chronic Sinusitis (Overuse)
16	Age Appropriate Screening Colonoscopy
17	Amyotrophic Lateral Sclerosis (ALS) Patient Care Preferences
18	Anastomotic Leak Intervention

Or,

Medications including any statin, entizmbe (Zetia), Diabetes Medication per appendix B; insulin, HIV meds, any hypertensive medication including diuretics, ACE/ARB, CCB, Beta Blockers, etc.

Or,
Any medication in

Appendix A – Hypertensive Medications
Appendix B – Diabetes Oral Medications
Appendix C - HIV Medications

Or,
Male over age 45, with any one of below conditions
Female over age 55, with any one of below conditions

BMI >30
+tobacco use
+Family History of CAD/Stroke, HTN, Hyperlipidemia, and/or Diabetes
+HTN w/o MI or stroke
+Hyperlipidemia w/o MI or stroke
+HDL under 35 with Triglycerides >150

Data Capture – Extraction And Analysis

- Granted view only permission to participants EMR database via a Virtual Privacy Network

- Data tables are mapped looking for the specific data elements that are to be captured (with permission)

- Data is captured and extracted on a weekly basis and sent from each of the participating organizations to an aggregation cloud server in the Amazon HIPAA Compliant Web Service

- Data is then available for analysis and reporting through designed filters, or custom reports can be produced if desired. Data is available at following levels: Collaborative, Participant Organization, Provider, Patient

Results to Date

- Identification of gaps in care:
    - Procedures/ tests were ordered but not completed
    - Procedures/ tests appropriate for patient had not been ordered
    - Change in medication regimes

- Improved quality scores/ metrics

- Sharing of quality metrics on individual patient seen by more than one provider

- Development of Risk Stratification Model for providers

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Thank You