Universal Screening for Drug Use with Brief Intervention

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Sean’s Story
Aligning Efforts to Fight the Opioid Crisis: From Universal Screening to a County-wide Response

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Internal Medicine Hospitalist
Physician Advisor for Penn Medicine Lancaster General Health Drug and Alcohol Taskforce, Chair
Lancaster County

- Southern Pennsylvania on the Susquehanna
- Population of approximately 540,000
- Multiple colleges: Millersville University, Franklin and Marshall, Elizabethtown College, Lancaster Bible College, Thaddeus Stevens
Penn Medicine Lancaster General Health

805 Licensed Beds
34,360 Inpatient Discharges
1.2 million+ Outpatient Visits
117,185 Emergency Department Visits
41,909 Surgeries
118,346 Urgent Care Visits
950+ Medical & Dental Staff Physicians
8,650+ Employees

Notes: Licensed beds include: LG Hospital (537); Women’s & Babies Hospital (95); Lancaster Rehabilitation Hospital (59); and Lancaster Behavioral Health Hospital (74). Bed count through October 2019. Volume metrics are through April 2019 and annualized.

U.S. News and World Report LGH ranked 6th best hospital in PA and 9 conditions and specialties ranked as “high performing” Best Hospitals 2018-19

VPP STAR STATUS
- OSHA designation recognizing nation’s best in employee safety and health management

The Foster McGaw Prize
- 2018 winner for strategic, multi-faceted approach weaving community health efforts into all we do, and broad and diverse partnerships throughout our community

The Leapfrog Group
- “A” Hospital Safety Score
- 2018 Top Teaching Hospital
- National rating based on patient injuries, medical and medication errors, and infections

Penn Medicine Lancaster General Health
By 2017, coordinated action needed to advance evidence-based prevention and intervention strategies
Lancaster County Coroner Data: 2019

Lancaster County Coroners Office
Connecting the Health System

- **ED**
  - Warm handoff and embedded counselors
  - Buprenorphine induction

- **Community Outreach**
  - Resource development
  - Community education
  - Grants and legislation

- **Inpatient**
  - Complex withdrawal management
  - Induction for Buprenorphine

- **Family Medicine MAT Physicians**
  - Long term management
  - Embedded Clinical Counselors

- **Women and Babies Hospital**
  - Support for pregnant patients with OUD:
    - MAT
    - Healthy Beginnings
Inpatient Services: Universal Screening and Brief Intervention

Lancaster General Hospital

Women and Babies Hospital
Standardize of Screening and Brief Intervention

- Universal screening at all inpatient facilities
- Access to Clinical Counselors at all phases of care
- See all patients with + SSQ (except marijuana)
Considerations with Universal Screening

- Population to screen → All hospitalized patients
- Tool to use → Good sensitivity and specificity/user friendly
- Who to administer and how to train → Able to have highest consistency, least people to train, and capture majority of patients
- Determine how to collect and manage data → Report Writer
- How to respond → ?
All hospitalized patients who are interviewed by the Medication History Specialist received a screen

Audit PC (Alcohol Withdrawal Risk) and Single Substance Screen
Medication History Specialists

- Medication reconciliation occurs with a total of < 30 providers
- Average 20-30 minutes per patient
- Touch every patient (IP, Obs, DSO)
- Included in obtaining medication history which allows patients to feel this is information to be obtained that may affect medication administration reducing stigma
Single Screening Question

In the past 12 months, did you smoke pot, use another street drug, or use a prescription pain killer, stimulant or sedative for a non medical reason? Yes/No

If $\geq 3$, it predicts a related substance use disorder (Sn 97%, Sp 79%) [1]

- Reflexing to a longer questionnaire hasn’t been shown to add much.

Single Screening Question: If Yes...

Which ones:
- Cannabis (Hashish, Marijuana, THC oil)
- Hallucinogenic (LSD, PCP, Mushrooms, Peyote)
- Opiates/Opioids (Heroin, Prescription pain medications)
- Sedatives (Benzodiazepines, Barbiturates)
- Stimulants (Cocaine/Crack, Amphetamines/Methamphetamines)
- Synthetics (MDMA, Ecstasy, Molly, K2, Spice, Bath salts)
- Inhalants-Other

Last Use:
Single Screening Question: Yes Opioids

Healthwise information attached to AVS pending which substance class selected

<48 hours of use for opioids, COWS Best Practice Alert
Best Practice Alerts: Opioids < 48 hours

Message here only mentions COWS. Does not have instructions for COWA.

For positive opioids

Text here indicates this is for non-prescribed opioid use.
Drug and Alcohol Consultations in 2017

Universal Screening begins 4/17/17
Opioid Self Reported Use 10/2018-10/2019: 173 Patient Encounters

Patient Encounters

<table>
<thead>
<tr>
<th>Age in Years</th>
<th>Patient Encounters</th>
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<tr>
<td>&lt;20</td>
<td>3</td>
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<tr>
<td>20-29</td>
<td>50</td>
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<tr>
<td>30-39</td>
<td>60</td>
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<tr>
<td>40-49</td>
<td>30</td>
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<tr>
<td>60-69</td>
<td>9</td>
</tr>
<tr>
<td>70+</td>
<td>1</td>
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Age in Years
Opioid Withdrawal Order Set Revision

- Automatic Narcan prescription with instructions
- Implementation of the Clinical Opioid Withdrawal Scale in Epic/Nursing Instruction
- Opiate withdrawal symptom management
- Detoxification and induction protocols for Buprenorphine
Women and Babies Hospital Screening

- All patients in triage, day surgery or admitted
- Pathway for active use
- Ability to access MAT services with warm hand off or induction in hospital
- Healthy Beginnings and improving access for post partum moms
## Improvement In Treatment

### Order Panel Specific for the Pregnant Patient and OUD

<table>
<thead>
<tr>
<th>Opioid Use Disorder (OUD) Treatment for Antepartum/Intrapartum Patients - WBH Panel</th>
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</table>

- **Nursing**
  - Perform COWS assessment
    - Complex (Specify). Perform COWS assessment on admission and every 12 hours if opioid use was in the last 48 hours. Report score to provider if greater than 8.

- **Laboratory**
  - Toxic Screen, Urine w/Confirmation
  - HIV-1 Rapid - WBH Only
  - Hepatitis C Antibody

- **Consultations**
  - Consult Healthy Beginnings
  - Case Management Alert
    - Opioid use
  - Consult Family & Community Med. (FCM)

- **Medications**
  - On Maintenance Therapy (Use prior to admission dose and time schedule)
  - Additional Pain Management
Emergency Department

- Approximately 118,000 visits last fiscal year

- Demand increase with closure of local acute inpatient hospital leaving LGH as only acute inpatient hospital in Lancaster City
What We Know…

1/3 of patients with Opioid Use Disorder will have their first contact with the medical community regarding their substance use in the Emergency Department.
Emergency Department

- Joined HQIP in November of 2019

- Offered Warm Hand Off and Observation/IP induction of buprenorphine from the Emergency Room

- Increased Buprenorphine Waivered Physicians from 0 to > 10

- Development of a Discharge Order Set
Patient presents by EMS or walk in

- Chief Complaint (Intoxication, Detoxification, Overdose, Withdrawal)
- Identified by EPIC as LGHP providing buprenorphine (COE)
- Provider identifies patient with Opioid withdrawal or concern of Opioid Use Disorder

ED D and A Counselors have D and A Track Board and System List and will review chart for consultation need or respond to consult request

- Inpatient or Outpatient placement
- Connect with Buprenorphine provider (COE or other)
Patients Evaluated in the Emergency Department

PATIENTS SEEN VS RESOURCES

<table>
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<tr>
<th>Age Ranges</th>
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<tbody>
<tr>
<td>Below 18</td>
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<tr>
<td>18-21</td>
<td>59</td>
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<tr>
<td>22-29</td>
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<td>30-39</td>
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<tr>
<td>50-59</td>
<td>251</td>
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<tr>
<td>60-69</td>
<td>2</td>
</tr>
<tr>
<td>70+</td>
<td>14</td>
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Drug of Choice
Warm Hand Off for Buprenorphine

- Connect patients to our Centers of Excellence
- Saved appointment times at outpatient clinic across the street from the Emergency Department for new patients (with plan to connect to provider closer to home)
- Continued support for providers
Physician Orders Narcan for Discharge

- Present on Opioid Use Disorder/Withdrawal Order Set (prechecked)
- Present on the ED Opioid Disorder/Withdrawal Discharge Set
- Individual Order
- Automated information on the After Visit Summary
Outpatient Services

- Currently 30 buprenorphine waivered providers
- 13 primary care sites offering imbedded counselor and Medication Assisted Treatment with either Buprenorphine or Naltrexone
Centers of Excellence

- Started in Jan. 2017 with 4 providers in 1 practice
- Since July, we serve over 400 patients
Delivering Care Where it’s Needed

Zip Codes with Greatest Number of Deaths, July 2017 - June 2019

- 17602: 38
- 17603: 38
- 17522: 12
- 17512: 10
- 17601: 9

Source: Lancaster County Coroner’s Office
Centers of Excellence

- Embedded Counsellors and a single point of contact for CM Coordination and referral for all sites
- Practice site champions
- MAT Smart Set
- Relapse Rescue Plan

I would like to (check first steps):
- See counselor more often
- See medical doctor more often
- See pharmacist more often (multiple refills during a week)
- Take doses of medication (buprenorphine) in the doctor’s office
- Change treatment to methadone
- Change treatment to long acting buprenorphine injection
- Go to intensive outpatient treatment to treat the addiction
- Go to an inpatient drug and alcohol rehab
- Other: ___________________

If this plan does not work, I would like to:
- Change treatment to methadone
- Change treatment to long acting buprenorphine injection
- Go to intensive outpatient treatment to treat the addiction
- Go to an inpatient drug and alcohol rehab
- Other: ___________________
Community Partnerships

Lancaster County Joining Forces
Coordinating efforts to reduce deaths from opioids and heroin
Steering Committee for Lancaster Joining Forces
Single Site for Information

www.lancasterjoiningforces.org
Strengthening Efforts Locally

- Hospital Quality Incentive Program Idea Sharing
- Breaking Barriers to Naloxone access
- Promotion of evidence-based school prevention programs
- Increased access to treatment and recovery support services
- Promotion of Opioid Stewardship
Narcan Distribution: SAMHSA FR-CARA grant

HOW TO GET NARCAN IN LANCASTER COUNTY

WHAT IS NARCAN?
NARCAN is an FDA-approved type of naloxone, a life-saving medication that can reverse the effects of an opioid overdose emergency. It’s a nasal spray, and it’s designed to be easy to use even without medical training.

Talk to your doctor or pharmacist about how to use NARCAN. You can also visit https://health.pa.gov or www.samhsa.gov for training and www.narcan.com for additional information.

HOW DO I GET NARCAN?
You can get NARCAN at most pharmacies with or without a prescription from your doctor. In Pennsylvania, there is a public standing order that allows pharmacies to distribute NARCAN to anyone.

NARCAN is covered by most insurances, and usually with a low copay. You can contact your health insurance provider to check your coverage. If you do not have insurance or cannot pay your copay, we can help! We are working with local pharmacies to provide NARCAN for free to anyone who needs financial assistance (see other side for participating locations).

Visit www.lancastercountyforces.org for the most current list of locations and information about safely managing, storing, and disposing pain medications and other resources in Lancaster County.

This project is supported through a grant from the Substance Abuse and Mental Health Services Administration (SAMHSA) whose assistance they do not necessarily represent the official views of, nor an endorsement by, SAMHSA, HHS, or the U.S. Government. For more information, please visit SAMHSA.gov.

<table>
<thead>
<tr>
<th>Pharmacy</th>
<th>Location</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anderson Pharmacy</td>
<td>2590 N. Reading Rd., Denver</td>
<td>(717) 336-2292</td>
</tr>
<tr>
<td>Gameis Apothecary</td>
<td>294 Main St., Denver</td>
<td>(717) 488-2689</td>
</tr>
<tr>
<td>Longstreets Pharmacy</td>
<td>5650 Lincoln Hwy., Suite 10, Gap</td>
<td>(717) 442-9533</td>
</tr>
<tr>
<td>McRory Pharmacy</td>
<td>100 E. Main St., Lititz</td>
<td>(717) 626-2222</td>
</tr>
<tr>
<td>Medicine Shoppe</td>
<td>969 Lancaster Ave., Columbia</td>
<td>(717) 684-5808</td>
</tr>
<tr>
<td>Penns Medicine Lancaster General Hospital Convenience Pharmacy</td>
<td>555 N. Duke St., Lancaster</td>
<td>(717) 564-5929</td>
</tr>
<tr>
<td>Royer Pharmacy</td>
<td>2 E. Main St., Ephrata</td>
<td>(717) 753-8541</td>
</tr>
<tr>
<td></td>
<td>123 S. 7th St., Kinron</td>
<td>(717) 651-4913</td>
</tr>
<tr>
<td></td>
<td>1011 Sharp Ave., Ephrata</td>
<td>(717) 753-1235</td>
</tr>
<tr>
<td></td>
<td>355 W. Main St., Lehighton</td>
<td>(717) 651-2786</td>
</tr>
<tr>
<td></td>
<td>508 Hershey Ave., Lancaster</td>
<td>(717) 299-4732</td>
</tr>
<tr>
<td>Sloan's Pharmacy</td>
<td>76 S. Main St., Manheim</td>
<td>(717) 665-2225</td>
</tr>
<tr>
<td></td>
<td>426 Overleaf Rd., Elizabethtown</td>
<td>(717) 856-4888</td>
</tr>
<tr>
<td></td>
<td>2 College Ave. #7, Mountville</td>
<td>(717) 285-7448</td>
</tr>
<tr>
<td></td>
<td>61 E. Main St., Mount Joy</td>
<td>(717) 651-4001</td>
</tr>
<tr>
<td>Stouffer's</td>
<td>149 E. Main St., New Holland</td>
<td>(717) 355-5390</td>
</tr>
<tr>
<td>WellSpan Pharmacy at Ephrata Community Hospital</td>
<td>189 N. Reading Rd. #5, Ephrata</td>
<td>(717) 722-5783</td>
</tr>
<tr>
<td>Wiley's Pharmacy</td>
<td>905 Nicley Rd., Lancaster</td>
<td>(717) 898-8804</td>
</tr>
<tr>
<td></td>
<td>587 Lebanon Ave., Millersville</td>
<td>(717) 877-1100</td>
</tr>
<tr>
<td></td>
<td>300 Historic Dr., Strasburg</td>
<td>(717) 667-6055</td>
</tr>
<tr>
<td></td>
<td>113 Trounson Dr., Quarryville</td>
<td>(717) 786-1191</td>
</tr>
<tr>
<td>Williams Apothecary</td>
<td>201 E. Chestnut St., Lancaster</td>
<td>(717) 393-3814</td>
</tr>
</tbody>
</table>
Help is here for addiction
Recovery can be a reality

Thank You
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Tara.Tawil@pennmedicine.upenn.edu