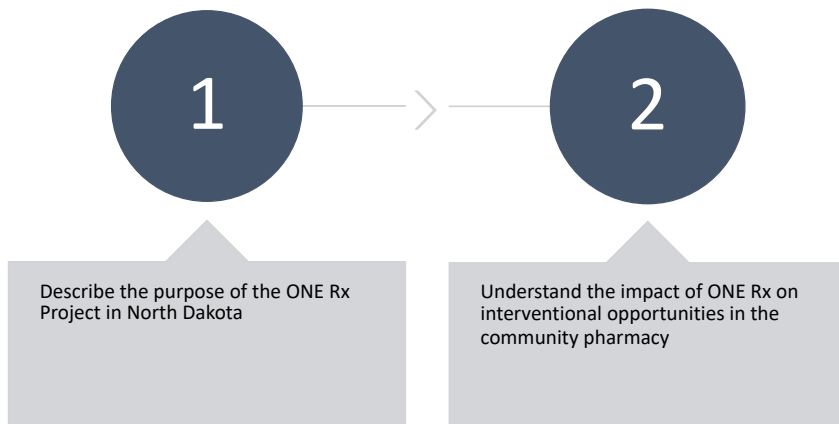




Preventing Opioid Misuse at the Community Pharmacy Level: Update on the ONE Rx Project

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Objectives



Challenges of Opioid Misuse/Overdose



Acute Pain Management

- Recurring fills in short periods of time
- Prior history of substance abuse
- Seeking illicit opioids with greater potency or improved availability

Chronic Pain Management

- Co-Morbidities
- Increased Morphine Mg Equivalents (MME)
- Multiple Opioid Prescriptions



Overview of ONE Rx

- Patient focused intervention in the community pharmacy focused on safe opioid use
- An opioid prescription is presented to be filled and the opioid risk survey is offered to patient
 - Screening tool identifies patients at risk for opioid misuse and/or opioid overdose
- Prevention strategies for opioid misuse and overdose are identified by pharmacist
- Pharmacists tailor the prescription consultation to the needs and safety of the patient



Pharmacist Training

- Live training events in Minot, Bismarck, and Fargo
- Online modules
- Three hours of ONE Rx training:
 - Detailed use of the screening tool
 - Intervention opportunities for patients
 - Use of REDCap documentation software
 - Naloxone education
- Pharmacists completion of ONE Rx education, **N=220**

Pharmacist Training Pre-Survey Results

Pharmacy Related Work related questions	Strongly Disagree/Disagree	Neutral	Strongly Agree/Agree
An opioid-dependent patient requires excessive pharmacist time and effort	19%	33%	48%
If a patient asked me for naloxone, I would view him/her as an addict	86%	11%	3%
I do not feel comfortable interactive with people who have an addiction	29%	11%	59%

N=180



Pharmacist Training Post-Survey Results

Pharmacy Related Work related questions	Strongly Disagree/Disagree	Neutral	Strongly Agree/Agree
An opioid-dependent patient requires excessive pharmacist time and effort	29%	28%	43%
If a patient asked me for naloxone, I would view him/her as an addict	91%	7%	<1%
I do not feel comfortable interactive with people who have an addiction	29%	8%	62%

N=155

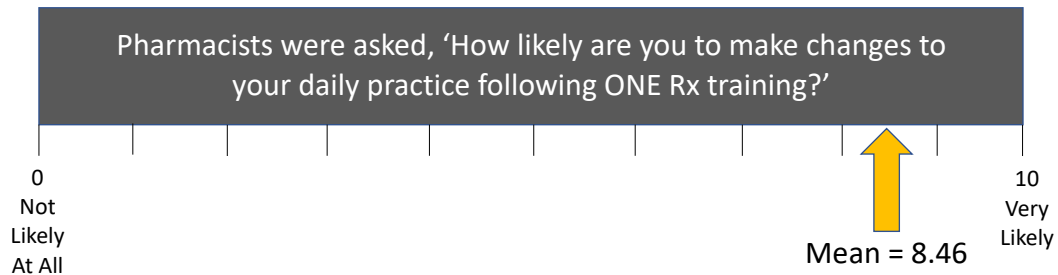


Pre/Post-Survey Changes in bias

Pharmacy Related Work-related questions	Average score for each question Pre-survey	Average score for each question Post-survey	P-Value
How would you feel about renting a room in your home to Kelly?	2.09	2.30	0.015
How would you feel about having Kelly live next door to you?	3.17	3.28	0.2
How would you feel about introducing Kelly to your friends?	3.00	3.29	0.003
How would you feel about your brother or sister getting married to Kelly?	2.17	2.44	0.003
If Kelly were your patient, how would you feel about providing patient counseling to Kelly?	4.66	4.78	0.02
If Kelly were your patient, how would you feel about discussing naloxone with Kelly?	4.59	4.76	0.01

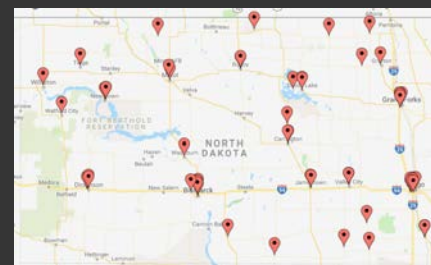
1=Definitely unwilling 2= Probably unwilling 3=Neutral 4=Probably willing 5=Definitely willing

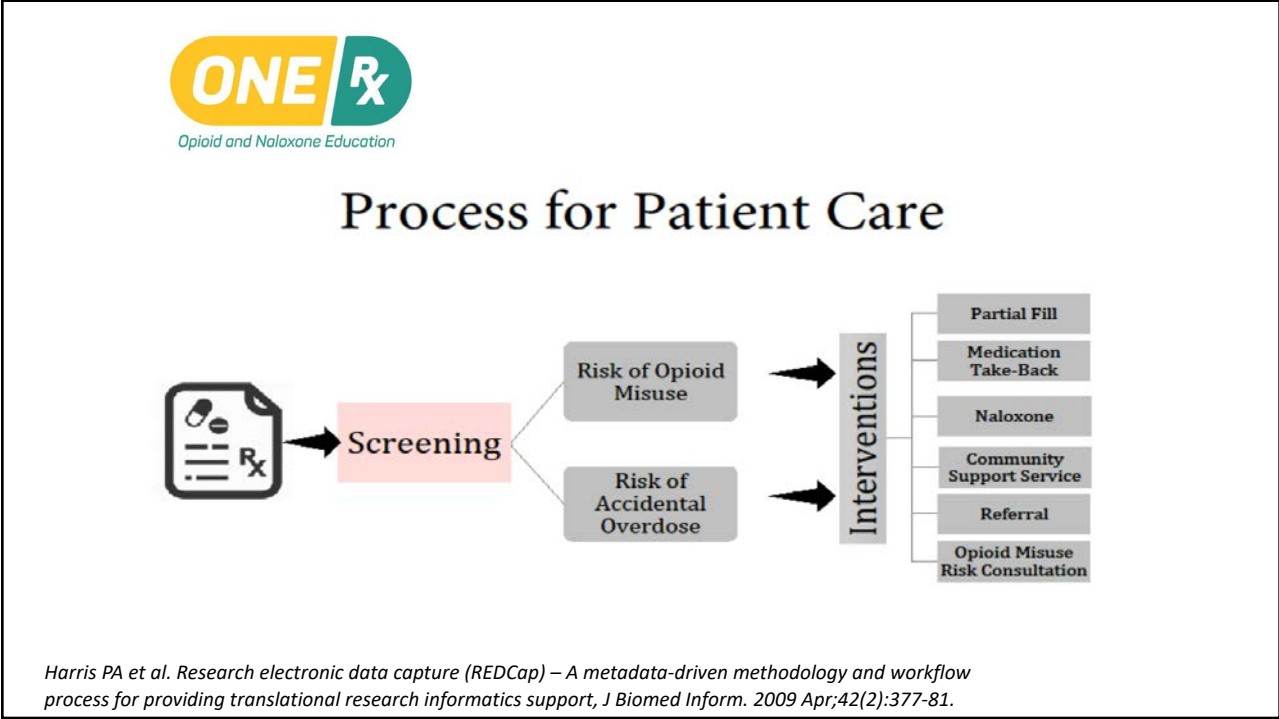
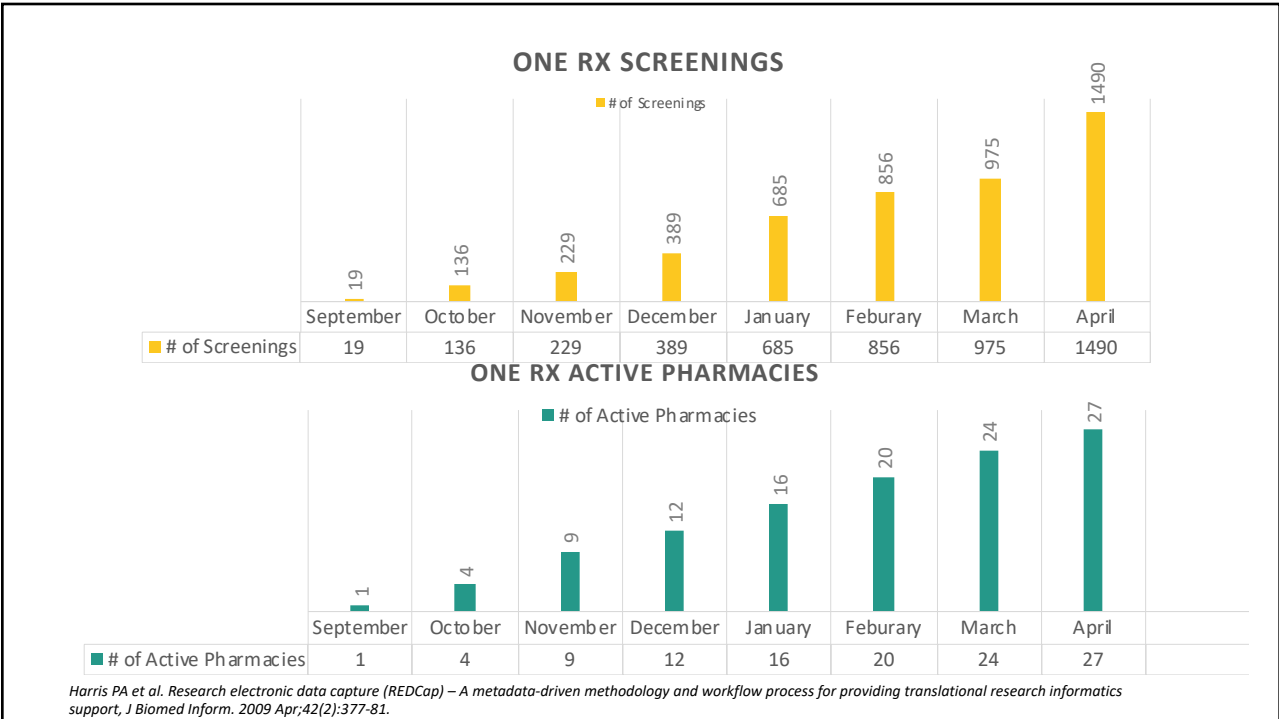
Impact of Pharmacist Continuing Education



Update on the ONE Rx Project

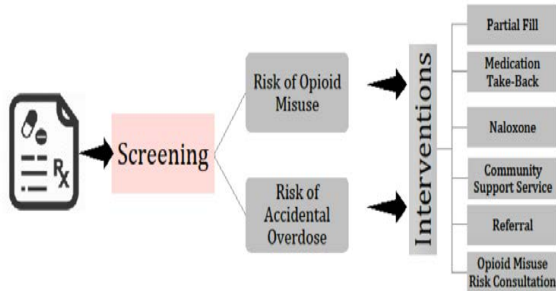
- Single pharmacy initiated 'beta test' screenings and documentation September 2018
- State wide initiation October 2018
- Pharmacies offering ONE Rx in North Dakota, **N=63**
 - Actively participating in screenings and interventions, **N = 27**
- Screenings complete as of April 2019, **N=1,490**







Process for Patient Care

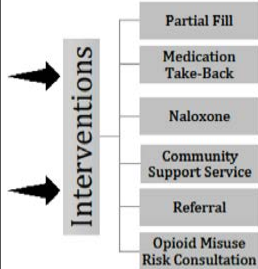


Interventions

28.6% identified as 'At risk' for accidental opioid overdose	3.1% of patient received a partial opioid prescription fill	86.2% were informed of medication 'Take Back' options
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Harris PA et al. Research electronic data capture (REDCap) – A metadata-driven methodology and workflow process for providing translational research informatics support, *J Biomed Inform.* 2009 Apr;42(2):377-81.

Interventions

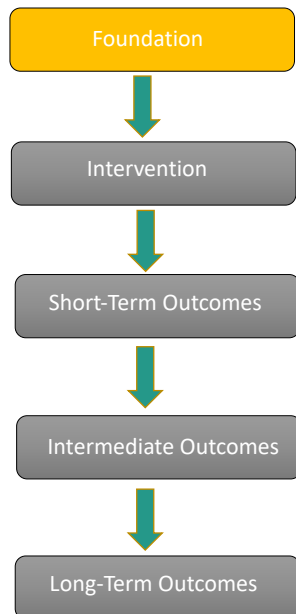


5.2% of patients prescribed naloxone by pharmacist	4% of patients were dispensed and received naloxone	4.2% of patients received community support and treatment information	31% of patient received explanation of 'Opioid Use Disorder'
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Harris PA et al. Research electronic data capture (REDCap) – A metadata-driven methodology and workflow process for providing translational research informatics support, *J Biomed Inform.* 2009 Apr;42(2):377-81.

Continuing Pharmacy Participation

- Completed and documented screenings reimbursed at \$20
- Distribution of electronic devices for patient screening input and improved pharmacy workflow efficiency
- Consistent communication between ONE Rx team and pharmacies
- Coaching calls
- Monthly newsletters

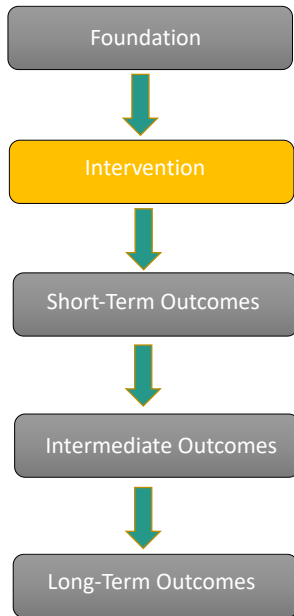


Linking pharmacy practice and community opioid safety

- ND Department of Human Services committed to preventing opioid misuse
- ONE Rx facilitated opioid and naloxone education to pharmacy providers
- Developing resources and assistance for ONE Rx participation
- Pharmacists dedicated to patient safety
- Local public health departments supporting community organizations through the STR grant



Porterfield DS, et al. Linkages Between Clinical Practices and Community Organizations for Prevention: A Literature Review and Environmental Scan. *Am J Public Health*. 2012;102(S3):S375-S382. doi:10.2105/AJPH.2012.300692

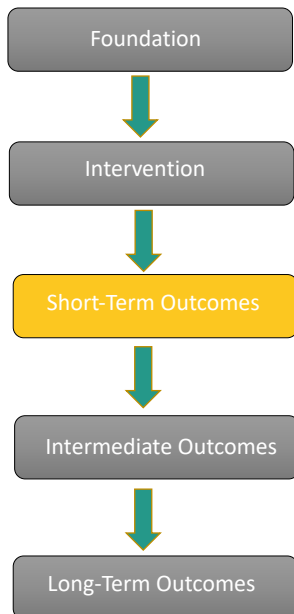


Practice Interventions

- Pharmacies implementing ONE Rx screenings
- Pharmacy providers practicing individualized opioid education
- Facilitating informational support to communities
- Fostering autonomy within community pharmacies to offer survey at appropriate intervals
- Local public health providing free naloxone to support community pharmacies struggling to get started prescribing naloxone



Porterfield DS, et al. Linkages Between Clinical Practices and Community Organizations for Prevention: A Literature Review and Environmental Scan. *Am J Public Health*. 2012;102(S3):S375-S382. doi:10.2105/AJPH.2012.300692

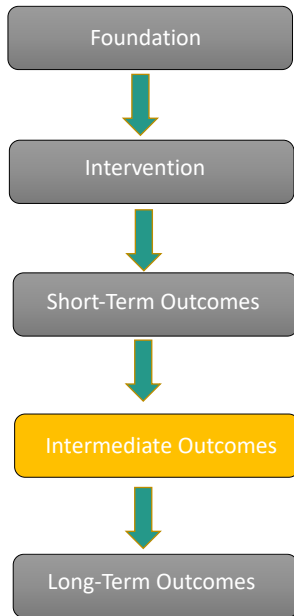


Community Awareness

- Provide availability of prescription filling options for opioids
- Ensure viable options for opioid disposal at community pharmacies
- Targeting patients at risk for accidental overdose and endorsing naloxone prescribing/dispensing
- Increasing awareness of support resources to patients and the community



Porterfield DS, et al. Linkages Between Clinical Practices and Community Organizations for Prevention: A Literature Review and Environmental Scan. *Am J Public Health*. 2012;102(S3):S375-S382. doi:10.2105/AJPH.2012.300692

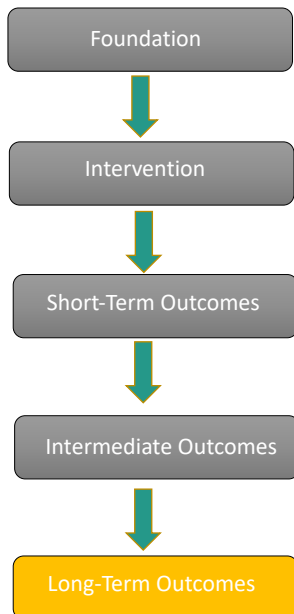


Improved Health Behaviors

- Primary focus of pharmacy is dispensing medications, continue the shift to dispensing *information* for patient safety
- Utilizing pharmacists as a resource for alternative pain management therapies and reduction of negative health outcomes
- Collaboration of physician-pharmacist-public health advocates for positive health outcomes
- Improved utilization of support services and outreach networks to assist opioid use disorder



Porterfield DS, et al. Linkages Between Clinical Practices and Community Organizations for Prevention: A Literature Review and Environmental Scan. *Am J Public Health*. 2012;102(S3):S375-S382. doi:10.2105/AJPH.2012.300692



Improved Health Outcomes

- Reduction of opioid use disorder (prescription, illicit)
- Continue to foster provider-patient relationships
- Advance the public health and safety in our communities by utilizing pharmacists' unique position in the community
- Reduction of opioid related deaths



Porterfield DS, et al. Linkages Between Clinical Practices and Community Organizations for Prevention: A Literature Review and Environmental Scan. *Am J Public Health*. 2012;102(S3):S375-S382. doi:10.2105/AJPH.2012.300692



Value of Pharmacists

- Providing 'take back' locations for unused medication
- Partial filling of opioid prescriptions
- Prescriptive authority for naloxone
- Informational Support
Expand upon dispensing of information



Conclusion

Increase in opioid stewardship by the pharmacist proves a valuable tool to optimize patient safety during opioid use

- ONE Rx participation has been well accepted by pharmacists, pharmacy technicians, and patients
- Pharmacists are one of the most accessible healthcare provider, placing them in an ideal position to identify at-risk patients for opioid events
- Expanding upon standard medication consultation promotes tailored education and interventional opportunities



Funding Partners for the ONE Rx Project:

- SAMHSA Grants to the North Dakota Department of Human Services
- State Targeted Response to the Opioid Crisis Grant
- State Opioid Response Grants



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