



Evaluating Implementation of Life-Saving Opioid Overdose Education and Naloxone Distribution (OEND) within the Veterans Health Administration

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Exploring Naloxone Uptake and Use—A Public Meeting Presentation

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OEND – A Healthcare System Model

- **Opioid Overdose Education and Naloxone Distribution**
- A harm reduction and risk mitigation initiative that aims to decrease opioid-related overdose deaths
- Key Components
 - Education and training
 - Opioid overdose prevention and recognition
 - Opioid overdose rescue response
 - Risk mitigation strategies
 - Issuing naloxone kits

Overview of Evaluation Approaches

- National
- Veterans Integrated Service Network (VISN) and Facility
- Lessons Learned

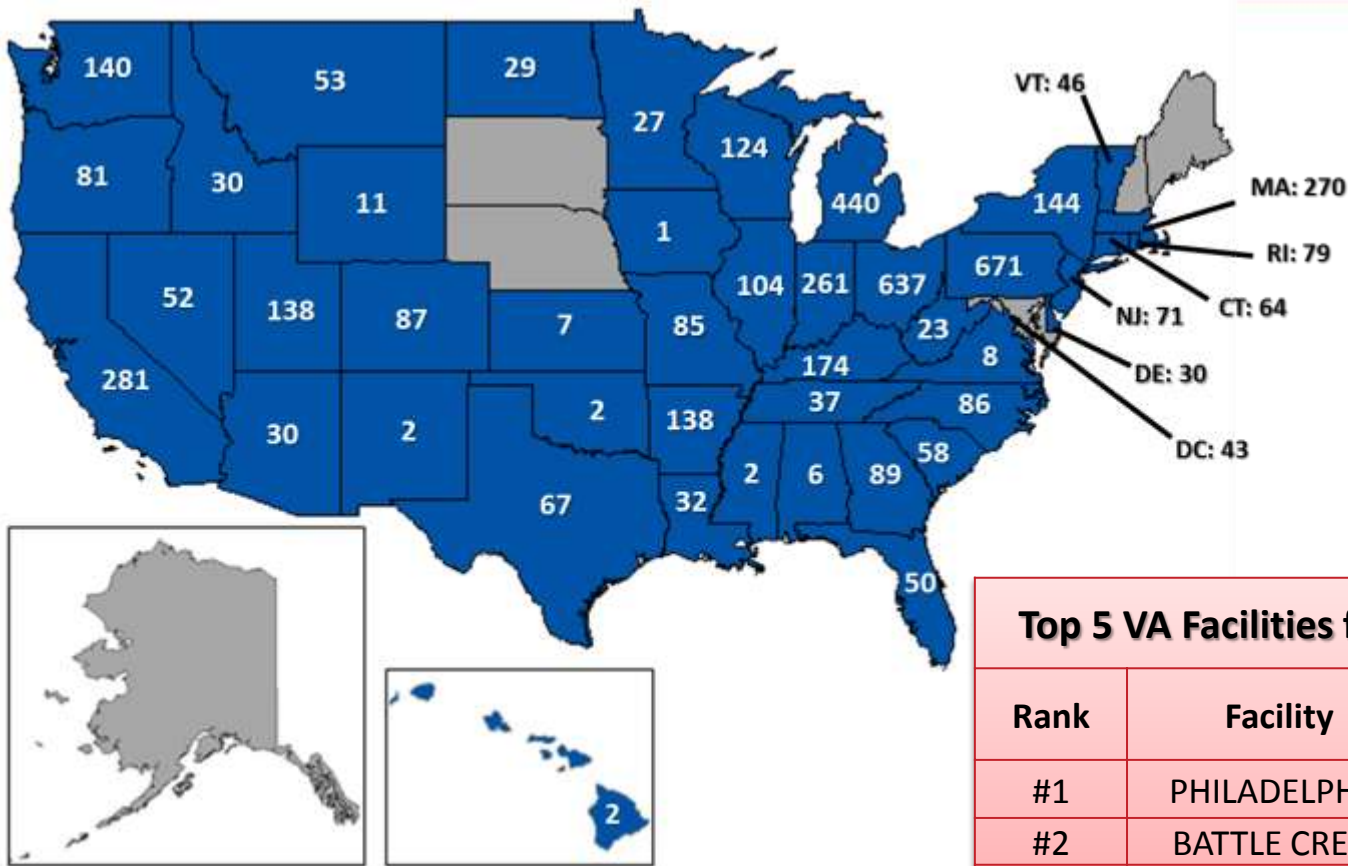
National Evaluation Approaches

- VA OEND Naloxone Kit Distribution Report
- Academic Detailing and OEND
 - Naloxone Reversal Report
 - Outreach to identify and resolve barriers for VA clinical staff to further expand access to high risk populations

VA OEND Naloxone Kit Distribution Report

- Tool provides daily updates on OEND implementation progress to facilities
 - Number of kit prescriptions
 - Number of patients receiving kits
 - Real-time distribution to identify locations that may need assistance getting their OEND programming started
- FY15 year to date, **115 medical centers are participating in the OEND program with over 5400 kits released**

Results: OEND Kit Distribution (June 2015)



State	# Naloxone Opioid Reversals
CA	1
CO	1
GA	4
MA	25
MI	3
MO	1
OH	35
PA	5
RI	1
UT	1
WA	1
Total	79

Top 5 VA Facilities for Naloxone Kits Released

Rank	Facility	# Kits Released	VISN
#1	PHILADELPHIA	430	4
#2	BATTLE CREEK	310	11
#3	CLEVELAND	300	10
#4	BOSTON	245	1
#5	INDIANAPOLIS	195	11

Naloxone Reversal Reporting

- Centralized reversal tracking tool that standardizes documentation and aggregation of spontaneous reporting of reversal events
- Academic Detailing Program Office provides training sessions to the field on how to report a reversal to the centralized reversal tracking tool
- Outreach to prescriber if reversal is reported to consider additional intervention, replacement prescription and provider need for additional resources/educational programming

Department of Veterans Affairs - Veterans Health Administration
Naloxone Reversal Report

INSTRUCTIONS - PLEASE READ:
To report a reversal, please complete as much of the following information as possible. Patient and overdose reversal information are required. At the bottom of this form there is a SUBMIT button. Clicking it will attach this form to an email. This PDF form will contain patient identifiable information. Please ensure when sending this form via email the email is ENCRYPTED.

First Name: Last Name: SSN Last Four: Reversal Date / Time:

Was there a reversal event? Yes No Unknown Type of naloxone kit? Intranasal Intramuscular Auto-injector

Who Overdosed? Veteran Other Veteran Spouse Relative Friend Other Unknown

Was the reversal successful? Yes No Unknown Did the overdose result in death? Yes No Unknown

Who Administered? Veteran Other Veteran Spouse Relative Friend Other Unknown

Was a second dose given? Yes No Unknown Was 911 called? Yes No Unknown

List of drugs involved:

Additional circumstances?

What was patient's reaction to the reversal? How did it impact patient's views on his/her recovery and/or need for more services, etc.

Description of followup:

Date Reported: Reported by:

Submit Report

ENCRYPT the email generated by clicking the SUBMIT button before sending: To ENCRYPT Using Outlook Click on the OPTIONS tab then click on the ENCRYPT icon before you send your message.

Results: 79 Reversals Reported



Academic Detailing OEND Report



About



Code



Feedback



Tech Manual

Location	#Patients	#New Patients (Last 30 Days)	#Patients w/ Multiple Kits	#Issuing Providers	#New Providers (Last 30 Days)	#Reversals Reported	#Veteran Reversals
National	5050	843	355	968	146	79	30

- Daily updates of Naloxone Reversal Tracker through spontaneous reports from field creates a healthcare system culture of excitement and encouragement that we can make a difference with this life saving intervention
- 7% of patients prescribed a naloxone kit have received more than one kit
- Replacement supply for patients who have lost their kits or are requesting a different dosage form (switching from nasal to auto injector is a common reason reported by prescribers for additional kits issued to the same patient)

OEND Academic Detailing Campaign Resource Center



Opioid Overdose Education & Naloxone Distribution (OEND) Initiative



Documents

Provider Education Materials

- OEND - Provider - CDC Opioid Overdose Factsheet.pdf
- OEND - Provider - Example Presentation for Clinician Education.pptx
- OEND - Provider - Quick Reference Guide.pdf
- OEND - Provider - SAMHSA Opioid Overdose Toolkit.pdf

Patient Education Materials

- OEND - Patient - Example Presentation for OEND Education to Patient Groups.pptx
- OEND - Patient - Naloxone Kit Instructions - Auto-Injector.pdf
- OEND - Patient - Naloxone Kit Instructions - Intramuscular.pdf
- OEND - Patient - Naloxone Kit Instructions - Intranasal.pdf
- OEND - Patient - Opioid Safety for Patients on Opioids Brochure.pdf
- OEND - Patient - Opioid Safety for Patients with SUD Brochure.pdf
- OEND - Patient - Opioid Safety Naloxone Kit Brochure.pdf
- OEND - Patient - SAMHSA Opioid Overdose Toolkit.pdf

Other Education Materials

- OEND - Detailer - Example Implementation Plan.docx
- OEND - Provider - CPRS Templates.docx

OEND Training Documents

Training Videos



Dashboards/Reports

- OEND Distribution Report
- VSSC Opioid Therapy Risk Report
 - Aggregate Reversal Tracking Report
 - Reversal Tracking Report

Additional Resources

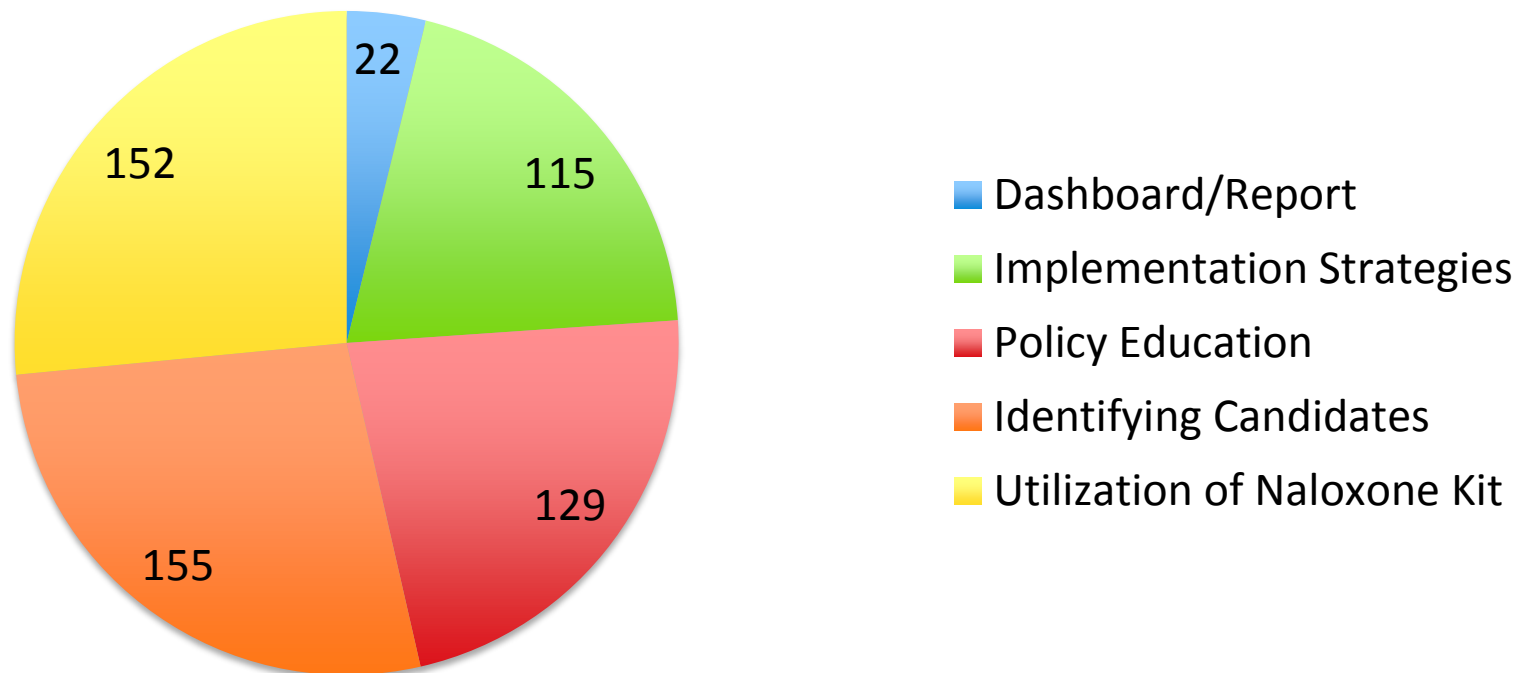
- OEND Program SharePoint
- OEND Program Resource Library

Site Managers

<input type="checkbox"/>	Name	Title	E-Mail
<input checked="" type="checkbox"/>	Harvey, Michael A.	Program Data Manager	Michael.Harvey@va.gov
<input checked="" type="checkbox"/>	Kay, Chad L.	Program Data Manager	Chad.Kay@va.gov
<input checked="" type="checkbox"/>	Lau, Marcos	Program Data Manager	Marcos.Lau@va.gov

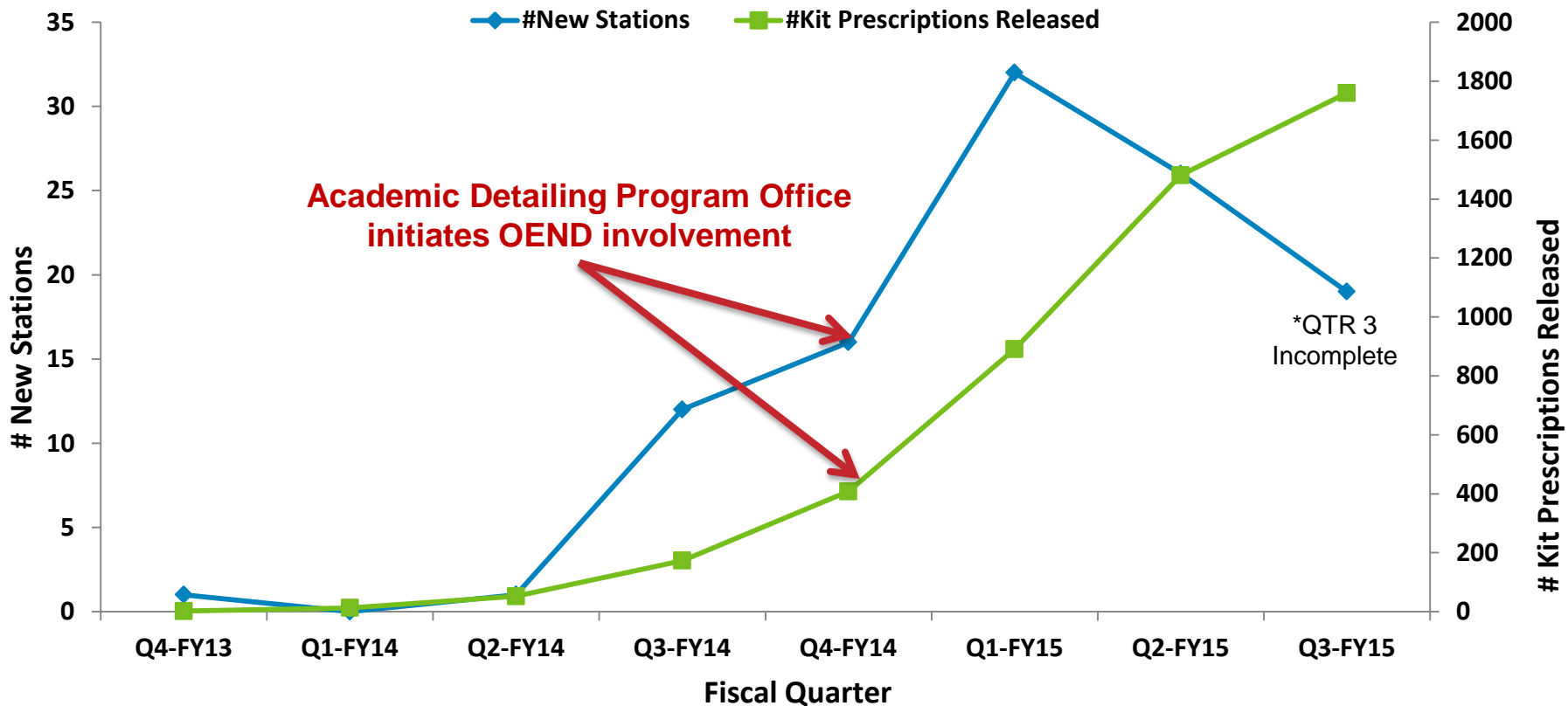
Results: OEND Clinician Outreach by Academic Detailers

OEND Educational Outreach Pharmacist Visits with Prescribing Staff and Clinical Support Staff (October 2014 to May 2015)



OEND – Academic Detailing Supports Implementation

OEND Implementation by Fiscal Quarter



Other Implementation Considerations

- Electronic Medical Record note template to guide education and process
 - Quick prescription orders empower and remind prescribers to offer this intervention with instructions defaulted to make the process more efficient
- Patient education groups provide an opportunity for patients to discuss questions and learn in supportive environment
 - Incorporate OEND into existing pain educational efforts
- Use multiple health care disciplines to roll-out education
 - Start in SUD clinics or residential units

VA Healthcare System Strategies: Opioid Therapy Risk Reduction Report

 LONG-TERM USE: ALL OPIOIDS
PATIENT LIST
For: PRIMARY CARE PROVIDER NAME

As of: 6/9/2015

NOTE: Fields with "*****" are values truncated for the past two years

Go To: [Data Definitions](#) | [Data Practice Guide](#)
[VHA Data Query](#) | [VHA Data Map Site](#)

Go To: [Excel Friendly Version](#)
[Select Multiple Providers](#)

Go To: [VA Medical DEMO Site](#)

Patient Name	Patient ID	Date of Birth	Age	Gender	Last Visit w/PCP	Last Visit Pop Clin	Last Visit Mental Health	Last Visit RUO TUP	DEP D/M	PTSD D/M	SUD D/M	OSA D/M	Last Recvd Med Supply	Last 30 Day Avg Morph Eqv	Active Opioid Rx	Active Benzo Rx	Last Naloxone Dispensed	Entry Date National OT Consent	Signed by IMED USER
██████████	██████████	██████████	55	M	6/18/2014	4/28/2015	8/27/2015	✓	✓	✓	✓	✓	8/21/2015		✓		5/20/2015		
██████████	██████████	██████████	51	M	5/8/2015			✓	✓	✓	✓	✓	5/16/2015	2	✓		5/6/2015		
██████████	██████████	██████████	53	M	5/20/2015	6/11/2014	4/9/2015	✓	✓	✓	✓	✓	5/29/2015	273	✓				
██████████	██████████	██████████	53	M	5/18/2015	7/22/2015	7/23/2014	2/12/2015			✓	✓	4/1/2015	30	✓	🚩	1/12/2015	4/3/2015	✓
██████████	██████████	██████████	50	M	4/20/15	8/22/2015		✓	✓	✓	✓	✓	8/4/2015	80	✓				
██████████	██████████	██████████	55	M	5/18/2015	5/15/2015							3/27/2015	60	✓				
██████████	██████████	██████████	57	M	5/11/2015	10/4/2014		✓	✓	✓	✓	✓	1/9/2015	74	✓				
██████████	██████████	██████████	50	M	5/28/2015		4/12/14	10/20/15			✓	✓	3/22/2015	71	✓				
██████████	██████████	██████████	59	M	5/23/15	3/23/15							12/19/2014	50	✓			4/9/2015	✓
██████████	██████████	██████████	55	M	4/21/2015			✓	✓	✓	✓	✓	4/17/2015	45	✓				
██████████	██████████	██████████	53	M	5/12/2015		4/14/2015		✓	✓	✓	✓		49	✓			3/19/2015	✗
██████████	██████████	██████████	59	M	5/28/2015		4/9/2015						8/8/2015	43	✓				
██████████	██████████	██████████	56	M	1/26/2014		8/4/2015				✓	✓	8/21/2015	36	✓			4/10/2015	✓
██████████	██████████	██████████	57	M	5/23/2015	3/25/2015							3/20/2014	34	✓				
██████████	██████████	██████████	55	M	5/28/2015	2/12/2015					✓	✓	2/12/2014	32	✓				
██████████	██████████	██████████	57	M	5/11/2015	4/12/2015					✓	✓	8/16/2014	32	✓				

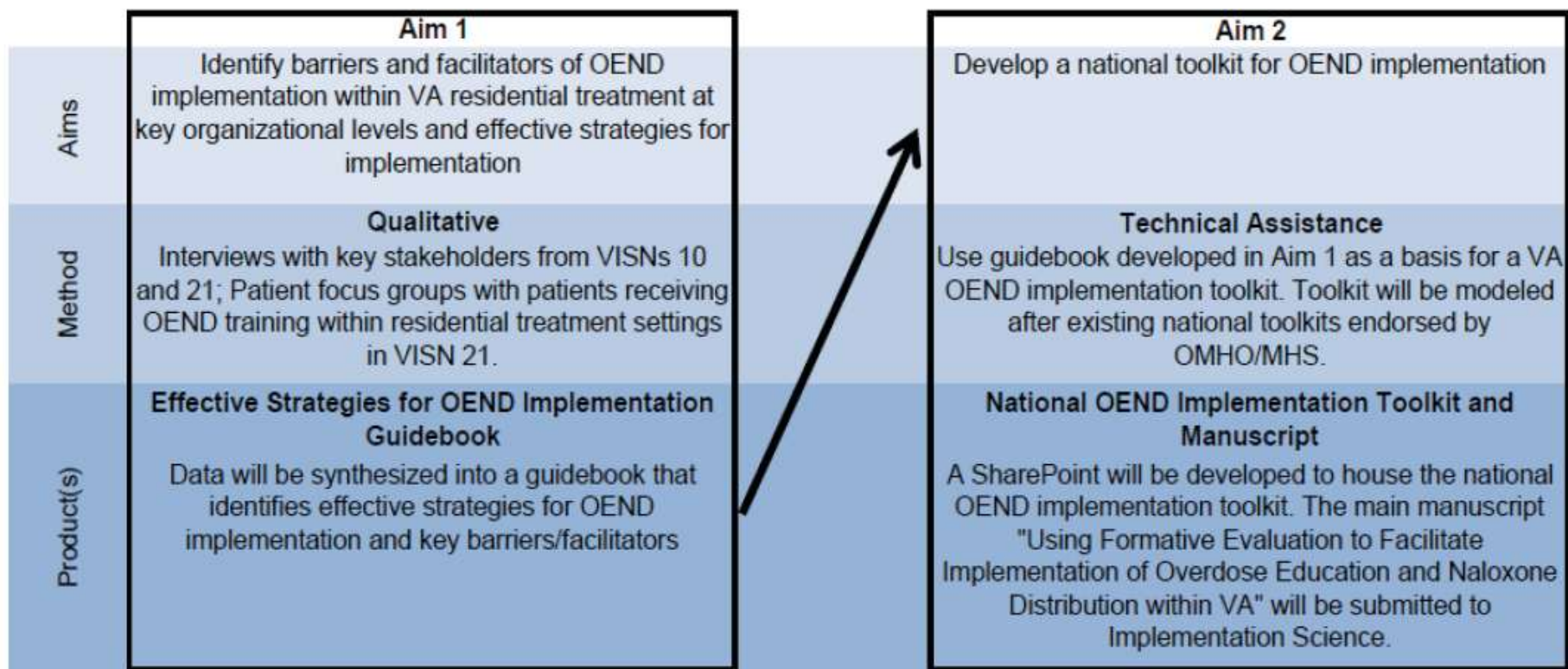
Active Opioid Rx	Active Benzo Rx	Last Naloxone Dispensed	Entry Date National OT Consent	Signed by IMED USER
✓		5/20/2015		
✓		5/6/2015		
✓	🚩	1/12/2015	4/3/2015	✓
✓		12/9/2014		
✓			4/9/2015	✓
✓			3/19/2015	✗
✓			4/10/2015	✓
✓				
✓				
✓	🚩		4/21/2015	✓
✓	🚩			
✓	🚩			
✓				
✓	🚩			
✓			3/30/2015	✗
✓				

- This report allows VA clinicians to look at their patients on long term opioids and assess risk mitigation strategies including when a naloxone kit was last dispensed

VISN and Facility Evaluation Approaches

- Pilot program implementation of OEND was used to inform VA on steps for healthcare system implementation
- Research project—Facilitators and Barriers of OEND implementation VISNs 10 and 21
- Facility evaluation programs utilizing patient measures
 - Patient feedback survey programs
 - Pre- and post-test assessments following OEND education
 - Call-back programs

Research in Progress: Implementing Overdose Education and Naloxone Distribution: A Formative Evaluation (PI: Oliva)



VA Facility Patient Feedback Survey Example

- This survey is administered after OEND training for quality improvement purposes
- Includes questions to identify whether OEND training is meeting the intended goals (how to prevent, identify, respond to an overdose), and ways to improve training

Overdose Education and Naloxone Distribution (OEND) Patient Feedback Survey

GOAL: You are being asked to provide feedback on the Overdose Education and Naloxone Distribution (OEND) training that you just received. This survey is anonymous so that you can feel free to provide us honest feedback: so that we can improve OEND training for future patients who will be trained. Thank you for your feedback and for helping us to improve this training!

1. Overall, how satisfied are you with the OEND training that you received?

"Not at all satisfied" 1 2 "Somewhat satisfied" 3 4 "Extremely satisfied" 5

2. How helpful was the OEND training in teaching you how to prevent an overdose?

"Not at all helpful" 1 2 "Somewhat helpful" 3 4 "Extremely helpful" 5

3. How helpful was the OEND training in teaching you how to identify an opioid overdose?

"Not at all helpful" 1 2 "Somewhat helpful" 3 4 "Extremely helpful" 5

4. How helpful was the OEND training in teaching you what to do during an opioid overdose?

"Not at all helpful" 1 2 "Somewhat helpful" 3 4 "Extremely helpful" 5

5. How confident are you that you could administer naloxone if you witnessed an overdose?

"Not at all confident" 1 2 "Somewhat confident" 3 4 "Extremely confident" 5

6. How important is it for the program to provide OEND training to patients?

"Not at all important" 1 2 "Somewhat important" 3 4 "Extremely important" 5

Please explain: _____

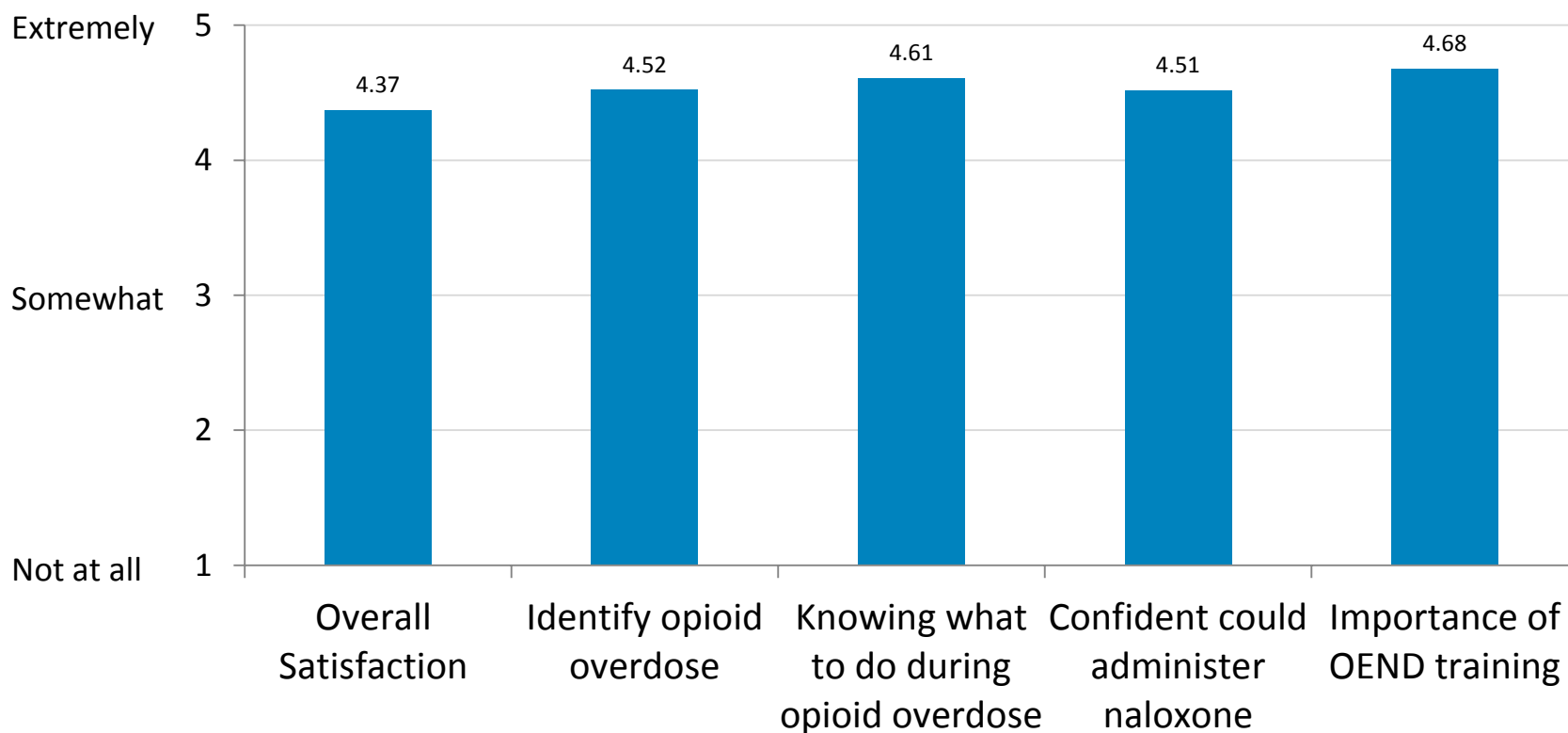
7. What are one or two things you learned that you did not already know?

8. What are one or two things you would like to learn more about/did not fully understand?

9. What can the program do to improve OEND training?

OEND Patient Feedback Survey*

VA Domiciliary (n=192)



VA Facility Call Back System Example

Save a Life!

**Reverse Opioid
Overdose with
Naloxone (Narcan®)**



Naloxone (Narcan®) is an antidote that can be sprayed into your nose or injected into your muscle/under your skin if you have decreased breathing due to opioids (e.g., heroin, pain medications).

To learn more contact:

VA



U.S. Department
of Veterans Affairs

- A VA facility instituted a call back process involving case managers calling Veterans who, in the past 6 months, were trained in OEND and who were dispensed naloxone kits
- Allows staff to identify if a reversal occurred and if additional patient interventions are needed

Lessons Learned

- Capitalize on Electronic Medical Records to capture naloxone dispensing
 - Mechanisms need to be in place to capture various methods of dispensing
 - Electronic medical records need to tie events with prescription dispensing so clinical teams know to follow-up with patients at high risk
- Providers may not be aware of OEND
 - Modeling the process of education with the patient, using videos and having demo kits in their office facilitates the uptake of new prescriptions and OEND education
- Need evaluation to show value of OEND
 - Particularly for patients prescribed opioids as the current evidence base is for individuals with Opioid Use Disorder



Questions?

Contact Academic Detailing Program Office:

PharmacyAcademicDetailingProgram@va.gov