





CALL TO ACTION Reduce Maternal Mortality in Florida

RAISING AWARENESS IN THE FIGHT AGAINST MATERNAL MORTALITY

Preventing Maternal Mortality: Providing Naloxone at Discharge

December 14, 2023

AGENDA

- Welcome and Background on the Call
 FPQC Insights FPQC Team
 Florida Board of Pharmacy Callie Parry, Pharmacist, Baptist Health System
- 4.Lee Health's Journey John Armitstead, System Director of Pharmacy, Lee Health
- 5.DCF Resources Jennifer Williams 6.Next Steps



NIH STUDY: OVERDOSE DEATHS INCREASED IN PREGNANT/POST-PARTUM WOMEN

Original Investigation

ONLINE FIRST

November 22, 2023

Pregnancy and Postpartum Drug Overdose Deaths in the US Before and During the COVID-19 Pandemic

Beth Han, MD, PhD, MPH¹; Wilson M. Compton, MD, MPE¹; Emily B. Einstein, PhD¹; <u>et al</u>

> Author Affiliations

JAMA Psychiatry. Published online November 22, 2023. doi:10.1001/jamapsychiatry.2023.4523

Key Points

Questions How did pregnant and postpartum overdose decedents aged 10 to 44 years differ from obstetric decedents in the US?

Findings In this cross-sectional study including 17 458 decedents, from 2018 to 2021, drug overdose mortality ratios rose (more than 3-fold in pregnant and postpartum individuals aged 35 to 44 years) across the pregnancy-postpartum continuum (the highest during late postpartum period since July 2020). Overdose decedents differed from obstetric decedents in sociodemographic characteristics (younger, less education, unmarried), place of death (outside health care settings), and available health care resources.

Meaning To reduce pregnancy-associated mortality, evidence-based interventions are needed at the individual, health care, community, state, and national levels along with nonpunitive approaches that incentivize pregnant and postpartum women to seek treatments for their substance use disorder.

Abstract

Importance Knowledge about characteristics of US pregnancy-associated decedents is needed to guide responses.

Objective To examine individual sociodemographic characteristics and residing county's health care resources and socioeconomic factors among pregnancy-associated overdose decedents in comparison with obstetric decedents and overdose decedents who were not pregnant in the past year.

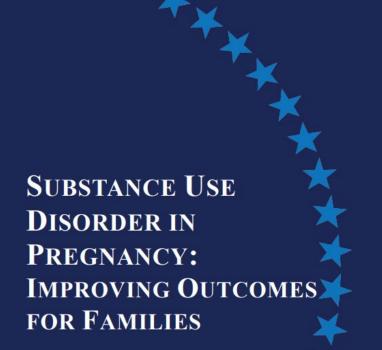
Design, Setting, and Participants This cross-sectional, exploratory study included 1457 pregnant and postpartum overdose decedents, 4796 obstetric decedents, and 11205 nonpregnant overdose decedents aged 10 to 44 years from 2018 to 2021. Data were analyzed August 2023.

Exposures Decedents from the 2018-2021 Multiple Cause of Death Files linked to the 2021 Area Health

- Mortality rate for pregnant and postpartum women due to overdoses more than <u>tripled</u> between 2018 and 2021 among those 35–44 yrs old
- Over 60% occurred outside healthcare settings
- While treatment is available, significant barriers exist such as stigma, penalization, discrimination and limited socioeconomic resources
- Those more likely to die of a drug overdose more likely to be aged 10 to 34, non-college graduates, unmarried and die either at home or nonhealthcare places



BIDEN-HARRIS ADMINISTRATION PRIORITY

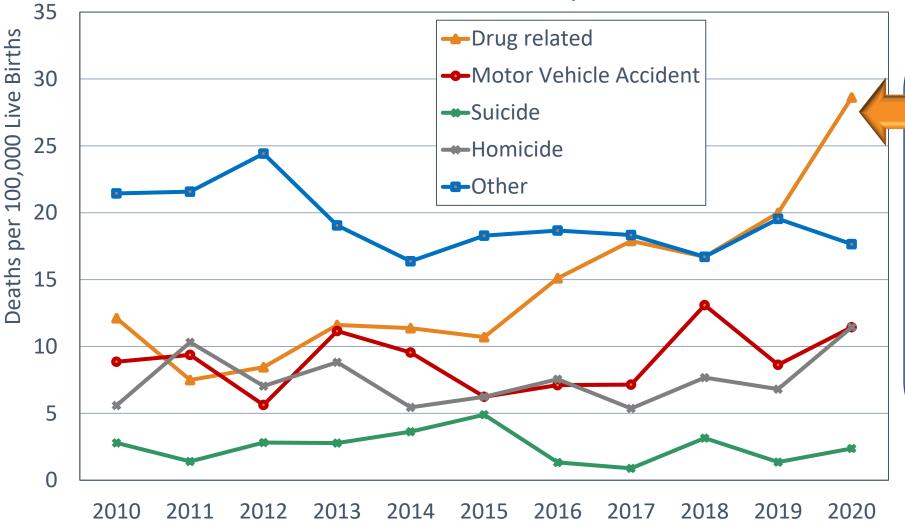


THE WHITE HOUSE EXECUTIVE OFFICE OF THE PRESIDENT OFFICE OF NATIONAL DRUG CONTROL POLICY

- 1. Improve access to effective treatment
- 2. Prevent unnecessary care foster placement, support families and keep families together
- 3. Make better use of data across services systems to better serve children and families
- 4. Public-private partnerships (perinatal quality collaboratives)



Pregnancy-Associated Mortality Ratios by Cause of Death Florida, 2010-2020



Drug-Related Deaths: •Leading cause; More than all pregnancy complications •More than 75% die after discharge for delivery •More likely to have had a prior standalone **ER** visit

Source: FL Maternal Mortality Review data

Key MORE Strategies

Increase Drug Screening with a Validated Verbal Tool

Screen for Other Related Health Conditions

Learn How to Provide Trauma-Informed Care

Arrange for Medical Assisted Treatment in Hospital & After Discharge Provide Naloxone Kit and Educate About Use Before Discharge



Comprehensive Discharge Planning 15% of women received all items of the **education bundle in the last six months**

J	lan-Jun 2020	Oct-Mar 2021
% MAT & substance abuse treatment	66%	76%
% Infectious/mental health comorbiditie	s 19%	37%
% Narcan use	8%	35%
% NAS including non-pharm mgmt	51%	58%
% Family planning	53%	59%
% Safe Sleep	62%	87%
% Postpartum depression screen	56%	69%
% OB postpartum visit	20%	27%
% Healthy Start	76%	89%



Key MORE Toolbox Resource List



MORE Toolbox Resources

fpqc.org/more



Name	Audience	Description
	Providers	Poster on Naloxone Education for providers
Know to Save a Mother's Life		
Do You Know? OUD in Florida: You	Providers	Poster on steps to take to identify & treat pregnant women with
Can Save a Mother's Life		OUD
Ask Yourself: Am I Providing	Providers, Nurses,	Flyer with actionable steps to providing trauma informed care
Trauma Informed Care?	all Clinicians	(TIC) for clinicians
Prenatal, Antepartum & Delivery	Providers, Nurses	Describes additional screenings & referrals for pregnant women
Visit Algorithms		with OUD
Provider Education Resource List	Providers, Nurses,	List of staff education resources organized by topic area
	all Clinicians	
Screening, Brief Intervention &	Providers	Describes impact of OUD/SUD in pregnant women, brief
Referral for Treatment (Pocket		intervention tips, sources for additional support for treating
Card)		pregnant women with OUD/SUD & Medicaid billing codes
Community Resources Mapping	Providers, Nurses,	Developed by local HSCs. Lists local resources, contact information
Tool	all Clinicians	& eligibility limitations
MORE Checklists: Hospital	Providers, Nurses,	List of additional steps necessary to assure comprehensive care for
Admission or Prenatal Care	all Clinicians	women with OUD
Quick Start Tip Sheet	Providers	Suggestions to help prenatal care providers integrate screening &
		follow-up into their practices.
Helping Our Parents Excel (MORE	Patients	Booklet designed by clinical experts & women in recovery.
HOPE booklet)		Comprehensive Information for pregnant women with OUD
Opioid safety & how to use	Patients	Description of the importance of naloxone & how to administer
Naloxone (Brochure)		
	1	1

Available in the Chat

... AND MANY MORE

Questions? fpqc@usf.edu www.fpqc.org Florida Perinatal Quality Collaborative YouTube Florida Perinatal Quality Collaborative @TheFPQC



"To improve the health and health care of all Florida mothers & babies"



FHA Webinar Naloxone (Narcan®) Update December 14, 2023

John A. Armitstead, MS, RPh, CPEL, FASHP System Director of Pharmacy Lee Health Fort Myers and Cape Coral, Florida

We are thankful for the Florida Department of Children and Families for Naloxone Funding and Availability





Poppies





"And now my beauties, something with poison in it I think, with poison in it, but attractive to the eye and soothing to the smell... poppies, poppies, poppies will put them to sleep." —The Wicked Witch of the West, The Wizard of Oz (movie,

released 1939)

Naloxone – Magical Powers





- Naloxone is a remarkable medication that possesses almost magical powers in its ability to reverse the lifethreatening effects of opioid overdoses.
- This opioid receptor antagonist works by binding to the same receptors that opioids target, effectively blocking their effects and rapidly restoring normal respiratory function. In the face of a dire overdose situation, naloxone acts as a beacon of hope, swiftly reversing the depressing and potentially fatal respiratory depression caused by opioids.
- Its ability to revive individuals on the brink of death is nothing short of miraculous, earning it the moniker "opioid antidote." Naloxone's magic lies in its capacity to awaken those in the clutches of overdose, offering a second chance at life.



- In March 1961, Dr. Jack Fishman and Dr. Mozes Lewenstein applied for one of the first patents for naloxone.
- In 1971, the Food and Drug Administration (FDA) approved using naloxone to treat overdoses.

Naloxone Chemical Structure

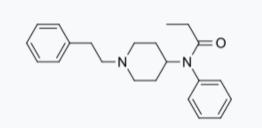


(4*R*,4*aS*,7*aR*,12*bS*)-4*a*,9-dihydroxy-3-prop-2-enyl-2,4,5,6,7*a*,13-hexahydro-1*H*-4, 12-methanobenzofuro[3,2-e]isoquinolin-7-one

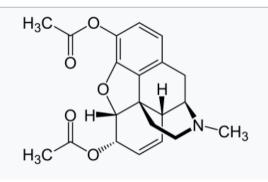
Naloxone is an organic heteropentacyclic compound, a morphinane alkaloid and a tertiary alcohol.



Fentanyl

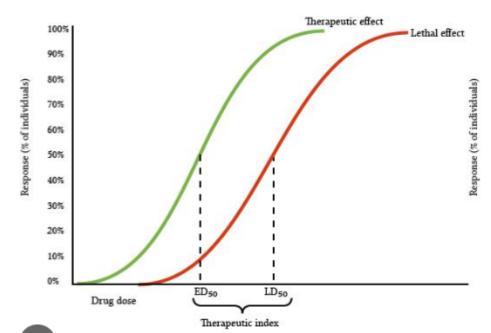


Heroin



Naloxone - Pharmacology Simplified

- Naloxone holds significant scientific value as an opioid receptor antagonist, primarily employed for the rapid reversal of opioid overdose.
- Its mechanism of action involves competitively binding to opioid receptors, displacing opioids and swiftly
 restoring normal respiratory function.
- Naloxone's pharmacological characteristics, such as its short half-life and limited bioavailability when administered intranasally or intramuscularly, contribute to its safety profile.
- Notably, naloxone exhibits minimal intrinsic pharmacological activity, reducing the risk of adverse effects.
- While the primary purpose of naloxone is to counteract opioid toxicity, its relative lack of side effects enhances its overall safety and makes it a crucial intervention in combating opioid-related emergencies without introducing additional medical complications.



EE HEALTH

Heat Sealed Bag Label, Instructions





Label for Ed or OB Issue



Lee Health Healthpark Medical Center 9981 S Healthpark Dr Ft Myers, FL 33908	
Patient Initials:	
Authorizing Provider:	
Date:	- Icr
Opioid Overdose Reversal Agent Naloxone Nasal Spray	t th
See package for directions for use. See Below for refills. For Additional Kits:	13
Lee County Mobile Service (239) 810-6648	3
Online Request: HQW.SAMH@MyFIFamilies.com Distribution Site Locator: isavefl.com/locator.shtml	t) ra ur
	· fi zzle

Emergency Department (and Labor and Delivery Protocol)

Stocked in Automated Dispensing System

Persons to receive naloxone ("At-risk Patients"):

- Individuals with a history or admitting diagnosis of opioid misuse or opioid use disorder
- Individuals enrolled in medication-assisted treatment, including methadone, buprenorphine/Suboxone, or naltrexone/Vivitrol
- Individuals who are on a waitlist or call-back list to receive treatment for opioid use

Upon provider order, a registered nurse will vend the naloxone from the ADU, write the patient name, ordering provider and date on the label and instruct the patient on use of the product as part of the ED discharge process. Patient instruction on use of intranasal naloxone may be completed by the RN, a Pharmacist, or the ordering provider.

LEE HEALTH POLICY & PROCEDURES						
	ALOXONE INTRANAS		OL	LOCATOR NU	IMBER	
(procedure) that applie	mal statement of values, intents es to every employee throughou	ut the System.		CHAPTER:	M03	
and expectations (pro	terdisciplinary - A formal state ocedure) that applies to more the check below all areas to which	an one discipline and is		TAB:	03	
(procedure) exclusive	rmal statement of values, intents to a particular department or gr multiple locations that does not	roup of people within a		POLICY #:	612	
Disciplines - lo	ocations to which this	s interdisciplina	ary poli	cy applies:		
Health Information Manage Environmental Services Information Systems Laboratory Legal Services Nutrition ED Nursing Services ate Originated: 5/19 uthor(s): Peter Duggan, RPh	Plant Operations Radiology Rehabilitation Se Respiratory Public Safety ED Physician Se Reviewed/No Revision: 5/20, 5/21, 5/22, 5/23	rvices	Outpatient Home Hea Skilled Nur Physician (Rehab Hos	lth sing Services Offices	-	
Reviewed by: Clinical Practice Council: Clinical Education Council Education Plan Required:	Yes No:	Education Compl	Date eted: Date Date	2		
Approved by: Policy Administrator:	John Armitstead, MS, I	RPh, FASHP	Date	: 4/3/2023		
As Needed:			Date:			

PURPOSE:

To provide access to naloxone at no cost for patients admitted to the Emergency Department (ED) for treatment and determined to be at risk of experiencing an opioid related overdose.

Emergency Departments (5 Adult) CY 2023 Through November 499 Rescue Kits Dispensed



Naloxone Intranasal E	D Dispenses		1	· · · · · · · · · · · · · · · · · · ·								
Row Labels	2023-01	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	Grand Total
CER (1027400)	7	7 8	i 6	5	4	4	6	2	. 2	. 3	é	47
EER (1098400)	3	i 3	i 2	. 3	1	4		1	. 3	2	. 1	L 23
GER (1047400)	8	3 4	, 5	5	8	9	7	/ 12	. 4	15	· 2	2 79
HER (1026400)	7	/ 3	, 3	3 4	9	7	′ 10	11	. 6	· 5	54	4 <u>69</u>
LER (1025400)	41	L 34	4 30) 23	27	37	22	. 14	15	5 24	1 4	281
Grand Total	66	5 52	2 46	5 4 0	49	61	. 45	40	30) 49	21	L 499

Naloxone Intranasal 2023												
Sum of Total Dispenses	Columi 🔻											
-		2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	Grand Total
CAPE CORAL HOSPITAL (1027)	1								4			23
CH 2 EAST (1027517)									2			2
CH 2 ICU (1027502)				1								1
CH 2 WEST (1027552)		1	1				1					3
CH 3 CARDIAC PCU/CDU (1027598)	1			1		1						3
CH 3 ICU (1027508)									1			1
CH 3 WEST MPCU (1027510)					1					1	. 1	3
CH 4 EAST NEURO PCU (1027511)				1			1					2
CH 4 NORTH NEURO PCU (1027523)						1	1		1			3
CH 4 WEST PCU (1027513)		1			1					1	. 1	4
CH PERIOP (1027554)					1							1
HEALTHPARK MEDICAL CENTER (1026)	6	4	1	2	4	2	5	5	7	3	6	45
HP 2S (1026509)							2	1	2			5
HP 2W (1026592)									1			1
HP 3W (1026593)					2							2
HP 4 BDS B (1026517)				1								1
HP 4 BDS C (1026612)		1		1	1	2	1	. 2		1		9
HP 4 SICU (1026596)			1									1
HP 4W (1026583)	1	3			1		1	. 1	1		1	9
HP 5W (1026594)	1								1		1	3
HP 6 N OBSERVATION (1026618)	3											3
HP 6 WEST PROG CARE (1026528)							1				1	2
HP 7 WEST MED SURG (1026529)								1	2	2	1	6
HP 8 WEST MED SURG (1026530)											1	1
HP CATH LAB (1026031)											1	1
HP PACO (1026614)	1											1
Grand Total	7	6	2	5	7	4	8	5	11	. 5	8	68



Labor and Delivery (2) CY 2023 Through November

19 Rescue Kits Dispensed from OB Units

Lee Pharmacy (Community or Retail Pharmacy Protocol)

Stocked in Lee Pharmacy

Eligible candidates are broadened

Pursuant to a prescription - can be through an authorized standing order

	NALOXONE HCL DISPENSING PROTOCOL	Once this policy is printed, it is not considered a controlled document. Please review electronic version of this policy for the most cur
Eligible Candidates	 Persons who voluntarily request Naloxone including, but not lin current illicit or nonmedical opioid users or persons with a h 	LEE PHARMACY
	 Center initiate or informatical option users on persons with an initiate or nonmedical option users on persons with a history of option intractiation or overdose and recipients of emergency medical care for acute optioid poiss? Persons with a high dose option perscription (>50 mg morpl equivalents per day) Persons with an option prescription and known or suspected concurrent alcohol use Persons with an option prescription and concurrent prescription benzodiazepines, SSRIs, or tricyclic antidepressants (TCAs) Pelased prisoners from correctional facilities 	NALOXONE RESCUE KIT – STANDING ORDER Physician of Record Authorization: Physician Name: Lee Physician Group; Lee Health Phone:
loxone Rescue Kit Protoco	Persons released from opioid detoxification and mandatory programs persons entering methadone maintenance treatment progra addiction or pain) persons with opioid prescription and smoking/COPD or other respiratory illness or obstruction persons with an opioid prescription who also suffer from the dysfunction, hepatic disease, cardiac disease, HIV/AIDS respiratory Page 2 of 7 control	Physician DEA number: Physician DEA number: Date David Ondrako, M.E Principle Authorized Pharmacist: Pharmacist Name: Lee Health Pharmacy
		Pharmacist FL license number: Phone:
Once this policy is printe ligible andidates	A is not considered a controlled document. Please review electronic version of this policy for the most current. Caregivers who voluntarily request Naloxone A pain management clinic A harm reduction organization Ernergency medical services technician First responder Law enforcement officer or agency	Date Anson Phetteplace, F This authorization will be in effect for 1 year unless rescinded earlier in writing party. Any changes in the protocol must be agreed upon by both parties. This must be renewed in writing annually.

Date	Print	Signature
All dispensing ph		d maintain this document as evidence of ution of this protocol.

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Nakoxone Rescue Kit Protocol - Lee Pharmac Page 7 of 7 Once this policy is printed, it is not considered a controlled document. Please review electronic version of this policy for the most current document.

LEE HEALTH DUADMACY DOLICY & DDOCEDUDES

РПАК	PHARMACT POLICY & PROCEDURES					
NALOXONE RESCUE	KIT PROTOCOL - LEE P	PHARMACY	LOCATOR NUMBER			
T System-wide - A formal statement of values, intents (policy), and expectations (procedure) that applies to every employee throughout the System. CHAPTER: PH1 Y Multidisciplinary/Interdisciplinary - A formal statement of values, intents (policy), and expectations (procedure) that applies to more than one discipline and is usually of a clinical nature. Check below all areas to which this applies. TAB: 02 Departmental - A formal statement of values, intents (policy), and expectations (procedure) exclusive to a particular department or group of people within a department at one or multiple locations that does not impact any other area. POLICY #: 012						
Disciplines / locatio	ns to which this interdi	isciplinary poli	cy applies:			
Health Information Management Environmental Services Information Systems Laboratory Legal Services Nutrition	Pharmacy Plant Operations Radiology Rehabilitation Services Respiratory Public Safety	Outpatient	ulth rsing Services Offices			
	No Revision: 4/18, Dates Revise 4/21, 6/22, 6/23	d: 5/19, 6/21	Next Review Date: 6/24			
Author(s): Anson Phetteplace, PharmD	, CPh, DPLA; David Ondrako, MD					
Reviewed by: Clinical Practice Council: Clinical Education Council Yes No Education Required:		cation Completed: D	ate: ate:			
Approved by: Policy Administrator:	John A. Armitstead, MS, RPh, FASH	IP Da	ate: 7/10/2023			
As Needed:		D	ate:			

PURPOSE:

Authorizing Prescriber Statement for Dispensing Naloxone Rescue Kit - Licensed pharmacists employed by the Lee Health Pharmacy, acting as delegates for a designated medical provider, according to and in compliance with and Florida Board of Pharmacy statute 381.887, F.A.C. may prescribe and dispense an emergency opioid antagonist, naloxone, to a patient or caregiver for use in accordance with this section. Pharmacists may dispense an emergency opioid antagonist pursuant to a prescription issued in the name of the patient or caregiver, which is appropriately labeled with instructions for patient use. Such patient or caregiver is authorized to store and possess

	NALOXONE HCL DISPENSING PROTOCOL	
Eligible Candidates	 Persons who voluntarily request Naloxone including, but not limited to: current illicit or nonmedical opioid users or persons with a history of illicit or nonmedical opioid use persons with a history of opioid intoxication or overdose and/or recipients of emergency medical care for acute opioid poisoning persons with a high dose opioid prescription (>50 mg morphine equivalents per day) persons with an opioid prescription and known or suspected concurrent alcohol use persons with an opioid prescription and concurrent prescription(s) for benzodiazepines, SSRIs, or tricyclic antidepressants (TCAs) released prisoners from correctional facilities persons entering methadone maintenance treatment programs (for addiction or pain) persons with an opioid prescription and smoking/COPD or other respiratory illness or obstruction persons with an opioid prescription who also suffer from renal dysfunction, hepatic disease, cardiac disease, HIV/AIDS 	LEE

Naloxone Rescue Kit Protocol - Lee Pharmacy

Page 2 of 7

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HEALTH

Once this policy is printed, it is not considered a controlled document. Please review electronic version of this policy for the most current document.

Eligible Candidates	 Caregivers who voluntarily request Naloxone A pain management clinic A harm reduction organization Emergency medical services technician First responder Law enforcement officer or agency
------------------------	---

LEE PHARMACY

NALOXONE RESCUE KIT – STANDING ORDER

Physician of Record Authorization:	
Physician Name:	
Lee Physician Group; Lee Health	
Phone:	
Physician FL license number:	Physician DEA number:
Date	David Ondrako, M.D.
Principle Authorized Pharmacist:	
Pharmacist Name:	
Lee Health Pharmacy	
Pharmacist FL license number:	Phone:
Date	Anson Phetteplace, Pharm
party. Any changes in the protocol	or 1 year unless rescinded earlier in writing by e I must be agreed upon by both parties. This prote enewed in writing annually.
Dispensing Pharmacist	
Date Print	t Signature



All dispensing pharmacists will sign and maintain this document as evidence of knowledge and execution of this protocol.



	Avg Naloxone Nasal Kits Dispensed per Month
Lee Pharmacy LMH	17
Lee Pharmacy HPMC	7
Lee Pharmacy GCMC	17
Lee Pharmacy CCH	10
Lee Pharmacy LHCP	1



Emergency Department

- Excellent Utilization
- Stored in Automated Dispensing Machines
- Available in Five Adult Sites
- Ordered by Provider
- Education by Nurse
- Label with Patient Initials Provider and Date
- Dispensed by Nurse

Labor and Delivery

- Modest Utilization
- Stored in Automated Dispensing Machines
- Available in Two L/D Sites
- Ordered by Provider
- Education by Nurse
- Label with Patient Initials Provider and Date
- Dispensed by Nurse

Lee Pharmacy (Retail)

- Excellent Utilization
- Stocked in Pharmacy
- Available in Five Adult Sites
- Standing Order by Specified Medical Authorizing Provider
- Education by Pharmacist
- Label as a Prescription
- Dispensed by Pharmacist

FHA Webinar Naloxone (Narcan®) Update December 14, 2023



John A. Armitstead, MS, RPh, CPEL, FASHP System Director of Pharmacy Lee Health Fort Myers and Cape Coral, Florida

We are thankful for the Florida Department of Children and Families for Naloxone Funding and Availability

