



The Impact of Opioid Overdose on Public Safety in Fort Worth

A Cooperative Relationship



Impact of Opioids in Fort Worth Introduction

- Addiction is a re-lapsing brain disease
- It impacts an entire community.
- Fort Worth does not appear to be as impacted as the Midwest
- Our goal is to proactively address and mitigate issues before they become an issue here
- Recovery Resource Council hosted a Recent Addiction Recovery Luncheon that focused on the impact of addiction and opioids in Fort Worth
- Opportunities to work in collaboration now to prevent the impact felt throughout the Midwest
- There are two generations impacted by this issue



What other cities are experiencing with opioid's – Columbus, OH

- Ohio is experiencing 5000 annual deaths from opiates since 2014
- Columbus 8-12 overdoses a day
- 2-3 fatalities a week
- Many factors that impacted the issue
 - Social Determinants of health care
 - Zip codes where overdoses occurred were consistent with infant mortality, prostitution, gun violence, poverty, etc.
- Budget impact to fire and police – RREACT Program (Rapid Response)
- Cooperation among agencies had to be developed
- Stood up a stand alone receiving facility for overdose patients
- Stood up a drug court to specialize in the issues of addiction
- Ohio is losing two generations and dealing with potential long term health issues³



Fort Worth Police Combined Approach to Targeting Opioids

- Partnered with the DEA and created a Tactical Diversion Squad
- **Office of Diversion Control's** Mission = Prevent, detect, and investigate the diversion of controlled substances from legitimate sources
 - Target doctors who prescribe opioids outside legitimate medical purposes
 - Pharmacies operating outside normal practices
 - Pill mill operations
 - Pharmacy burglary rings
 - Prescription forgery groups
 - Clandestine lab operations
 - Illegal importation of controlled substances form overseas sources



Fort Worth Police Combined Approach to Targeting Opioids

- Narcan – which is an opioid antagonist used for the complete or partial reversal of opioid overdose, including respiratory depression.
- Narcan has been issued to:
 - SWAT-Gang-Narcotics-Vice
 - SRT
 - Property Room
 - Jail (on a volunteer basis)
 - Property Crime Units & Bike Unit (on a volunteer basis)
 - Classes are now being offered to Patrol Officers (on a volunteer basis)

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Fort Worth Police Combined Approach to Targeting Opioids

- Fort Worth Tactical Medic Unit
 - all FWPD Tactical Medics have **Narcan** medication
 - In **2017 they administered two (2) doses** and in **2018 they administered one (1) dose**
 - Currently in 2019 **one (1) dose** has been administered
 - Narcan cost **\$41.25 per unit** and **\$30.00** for the Pelican Micro Case
 - Each officer carries **two (2) doses** and is required to attend a **2-hour training class**

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Fort Worth Police Diversion Task Force – Results

- Identified and executed search warrants on **six (6) Doctors' offices/residences**
- Investigated approximately **29 Pharmacies** for regulatory violations
- Approximately **30 undercover operations** have been conducted related to opioids
- Investigated **one (1) overdose death** related to overprescribing by doctor (pending judicial)
- Multiple arrest and prosecutions (or pending prosecution)
 - 4 Doctors- Arlington, Garland, Brownfield
 - 1 doctor's office employee- Granbury
 - 5 individuals in distribution ring- Burleson
 - 1 EMT- Fort Worth
 - 4 individuals for prescription forgery- Fort Worth

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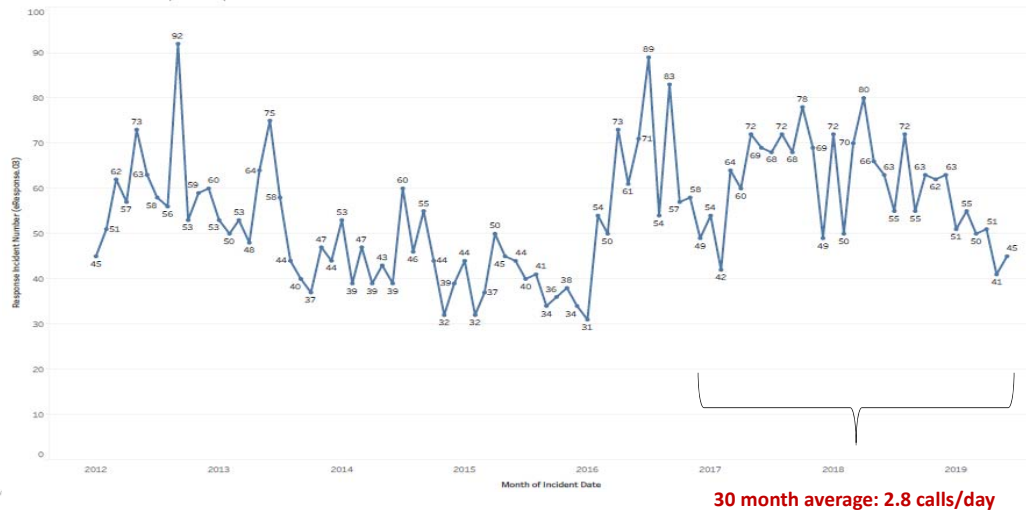


Fort Worth Police Diversion Task Force – Results continued

- **Two (2) Pharmacists** surrendered their DEA registrations-can no longer issue controlled substances
- **Eight (8) doctors** surrendered their DEA registrations-can no longer issue prescriptions for controlled substances
- A **combined \$460,000 in fines** have been paid by Doctors and Pharmacies
- **\$3.6 million in US currency has been seized** in FY 2019
- **56 kilos of Pharmaceutical drugs** have been seized
- **676 dosage units of (liquid) Pharmaceutical drugs** have been seized
- Tactical Diversion Squad and Diversion support the National Drug Prescription Drug Take Back program
- **118,761 pounds of medications were turned in and destroyed** from the Division area

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Incidents with Narcan Administration by EMS



2019 Narcan Administration Protocol Update

Subject: Indications for Naloxone (Narcan) Administration

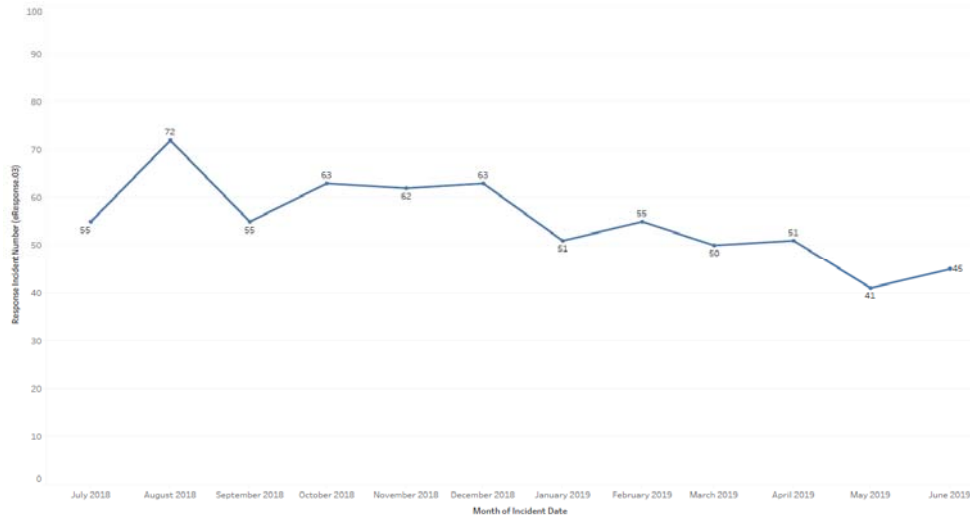
Directive

Effective immediately for all levels:

- Naloxone should only be administered when opiate intoxication is suspected based on known or suspected opiate overdose, AND the presence of all three of the following:
 - Miosis (pinpoint pupils)
 - CNS depression
 - Respiratory depression
 - i.e. RR < 10, SpO2 < 92%, and/or EtCO2 > 45 mmHg
- Naloxone should not be given to patients who are awake, talking, not displaying significant respiratory depression, or displaying CNS depression or pinpoint pupils in isolation.
- Cardiac arrest is not an indication for naloxone administration, as there is no clinical benefit.



Incidents with Narcan Administration by EMS



“Profile” Stats: July ‘18 – June ‘19

- **663-Responses**
 - 22-DOS w/ resuscitation attempted
- **619 Transported to the ED (93%)**
- **Average Age = 49**
 - Youngest = 6
 - Oldest = 99
- **59% Male**
- **Average dose per patient = 1.16mg**



EMS Utilizations Costs – MedStar Time Only

Month	Incidents	Average Minutes on Task	Minutes/Month	Hours/Month	Unit Hour Cost	Monthly Cost
18-Jul	55	67	3685	61	\$170	\$10,440.83
18-Aug	72	67	4824	80	\$170	\$13,668.00
18-Sep	55	67	3685	61	\$170	\$10,440.83
18-Oct	63	67	4221	70	\$170	\$11,959.50
18-Nov	62	67	4154	69	\$170	\$11,769.67
18-Dec	63	67	4221	70	\$170	\$11,959.50
19-Jan	51	67	3417	57	\$170	\$9,681.50
19-Feb	55	67	3685	61	\$170	\$10,440.83
19-Mar	50	67	3350	56	\$170	\$9,491.67
19-Apr	51	67	3417	57	\$170	\$9,681.50
19-May	41	67	2747	46	\$170	\$7,783.17
19-Jun	45	67	3015	50	\$170	\$8,542.50
TOTAL	663			740		\$125,859.50



EMS Utilization Costs – Materials

Month	Administrations	2-mg Vials Used	Cost / Vial	Cost / Month
Jul-19	69	40	\$ 40.60	\$ 1,624.00
Aug-19	90	56	\$ 40.60	\$ 2,273.60
Sep-19	83	45	\$ 40.60	\$ 1,827.00
Oct-19	84	55	\$ 40.60	\$ 2,233.00
Nov-19	79	41	\$ 40.60	\$ 1,664.60
Dec-19	90	52	\$ 40.60	\$ 2,111.20
Jan-19	76	44	\$ 40.60	\$ 1,786.40
Feb-19	75	57	\$ 40.60	\$ 2,314.20
Mar-19	66	46	\$ 40.60	\$ 1,867.60
Apr-19	85	50	\$ 40.60	\$ 2,030.00
May-19	58	33	\$ 40.60	\$ 1,339.80
Jun-19	69	41	\$ 40.60	\$ 1,664.60
Total	924	560		\$ 22,736.00

Note: Cost Per Dose in 2017
\$15.00

Response Cost	\$ 125,859.50
Administration Cost	\$ 22,736.00
Total Cost	\$ 148,595.50



Community Partnership - Opioid

- **MHMR - SAMHSA Grant**
- **Goals: Refer / Rehab / Recovery**
 - Purchase and distribute Naloxone
 - First Responders
 - Family members of 'At-Risk' patients
 - 2 Training videos – Distributed in January '18
 - First Responders – correct use of Narcan
 - Patients/family members/care givers - correct use of Narcan & counseling/education
 - Share data regarding overdose victims



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Tailored Reentry Initiative COMM

Understanding addiction

All addictions are environmental

Addiction is a disease

In real life, Dr. Knowlton from the University of Texas at Dallas

2 Step NARCAN

<https://youtu.be/tI2LiLaKrp4>

Outcomes...

- 523 referrals – 18-Jul to 19-Jun
 - 602 Referrals overall
- 35 committed to enroll
- 12 actually participated and remained in treatment
- 24 individuals have been referred to the TORRI project multiple times.

Month	Referrals	Follow ups
Feb-18	15	
Mar-18	0	
Apr-18	0	1
May-18	42	109
Jun-18	22	76
Jul-18	14	44
Aug-18	29	92
Sep-18	35	82
Oct-18	64	104
Nov-18	53	117
Dec-18	31	61
Total 2018	305	686
Jan-19	52	114
Feb-19	42	95
Mar-19	38	110
Apr-19	51	
May-19	52	
Jun-19	62	
Total 2019	297	319

Continual Community Assessment

- Collaboration, Outreach
- Incident tracking w/referrals to care
- ID any trends that necessitate additional actions

Incident Date	Incident Date Time	Response EMS Response Number (eResponse.04)	Patient Age (ePatient.15)	Patient Gender (ePatient.13)	Scene Incident Postal Code (eScene.19)	Scene Incident City Name (eScene.17)	Disposition Incident Patient Disposition (eDisposition.12)	Medication Given Description (eMedications.03)	Medication Dosage (eMedications.05)
6/20/2019	20:56:45	1020284	40	Male	76133	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	2
6/21/2019	19:45:13	1021187	52	Female	76137	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.5
6/21/2019	4:01:56	1020567	35	Male	76114	RIVER OAKS	Transported - by this Unit	Naloxone (Narcan)	2
6/22/2019	14:18:47	1021886	30	Female	76102	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.5
6/22/2019	1:59:57	1021454	6	Male	76137	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.5
6/22/2019	20:14:27	1022207	33	Male	76112	FORT WORTH	AMA	Naloxone (Narcan)	1
6/22/2019	11:04:03	1021740	39	Male	76110	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	2
6/24/2019	10:32:45	1023695	69	Female	76116	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.4
6/25/2019	0:38:32	1024481	30	Female	76108	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.5
6/27/2019	20:52:58	1027357	99	Female	76028	BURLESON	Transported - by this Unit	Naloxone (Narcan)	0.5
6/27/2019	15:33:34	1026970	56	Male	76119	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	2
6/28/2019	20:42:38	1028459	47	Male	76102	FORT WORTH	Transported - by this Unit	Naloxone (Narcan)	0.5
6/29/2019	18:49:15	1029330	28	Male	76107	FORT WORTH	AMA	Naloxone (Narcan)	2



Impact of Opioids in Fort Worth Strategies

- **We can't arrest our way out of this problem**
- Hospitals don't have the capacity to treat and admit everyone
 - In-patient bed availability and Elopement after arrival in Emergency Department
- Naloxone saves lives – Has to be immediately available – It is not enabling
- Notification system for surges and spikes in overdoses
 - Common agreed upon messaging and communication plans
- Safe housing has to be a part of the conversation for long term recovery
- We have to meet people where they are in their recovery and have resources available when they are ready to start recovery

It is a community problem that takes a community solution to solve.



Thank you