

Objectives



Understand the severity of the current opioid epidemic

2



Understand treatment efforts to combat the opioid epidemic

4



Opium	26.886
Cultivation	20.00
by Country	tiname
2020	10.500
	20.500 40,855

Medical Opioid Production





Opium Uses

Recreational



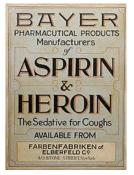


Opioid Epidemics in the U.S.

1st: 1890's 2nd: 1970's 3rd: Current

First Opioid Epidemic

- Morphine discovered in 1804
- Hypodermic needle invented around 1865
- Heroin discovered in 1874



First Opioid Epidemic

- By 1900 there were an estimated 250,000 opioid addicted individuals in the U.S.
- Morphine maintenance clinics were established in 44 cities across the United States
- Importation of smoking opium prohibited in 1909
- Harrison Narcotics Tax Act of 1914 made it illegal to prescribe opioids for maintenance of addiction

Second Opioid Epidemic

Returning soldiers from Vietnam

Largely heroin

 Dr. Vincent Dole published a paper on the efficacy of methadone maintenance in 1965, which lead to the legalization of methadone maintenance treatment by the FDA in 1972



The Current Epidemic



1980s

Two simultaneous events occurred at the same time:

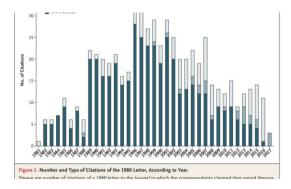
- 1. Development of novel narcotic analgesics by drug manufacturers
- The legitimate and necessary development of hospice and palliative care and pain management specialties driven by the medical community
- Pharmaceutical companies took advantage of the physician movement and hijacked it for their own profits





Val. N2 No. 2





1990s

 Aggressive Industry Marketing of Opioid Products in the late 1990s/early 2000s

- Opioid phobia and the needless suffering of patients

- Opioid addiction is rare if pain is managed appropriately

- Opioids can be easily discontinued



5th Vital Sign



5th Vital Sign

I. Recognize and Treat Pain Prompty I. A. Chart and Display Patient's Selfreport of Pain.— A messare of pain inthe paint Pain.— A messare of pain inthe paint Paint, and Paint Paint Paint Paint Paint, and Paint Pai





The Clinical Journal of Pain. 13056-0, MAR 1997 C Shan PHILD 0000497 MEDLINE Statuy: MEDLINE Statu Philic 004-0304

The use of opioids for the treatment of chronic pain. A consensus statement from the American Academy of Pain Medicine and the American Pain Society.



IV. Current information and experience sugges that many commonly held assumptions need modification

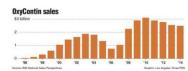
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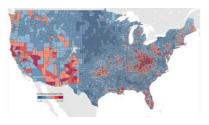
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	Fundation	Jonasan [®]	Depomed	Innys	Mylon	Total
Academy of Integrative Poin Management	81.341.306.6A		80.01195	\$3,056.00*	\$1.00	\$1.2ml.ma.#7
American Academy of Pain Mariking	\$725,584,95	\$81,970-30	\$302.100.30	\$67,750.00	\$2.00	\$1,191.429.94
AAPm Foundation	\$0.00	\$1.03	\$10×405.10	\$2.00	\$1.00	\$304,436,38
ACI Cancer Action Network	1148.500.00°	\$2.00	\$5.00	\$1.00	\$1.00	\$148,500.08
Anaricon Chosis: Pale Association	E114030	RECORCIE	BANGE	\$1.00	\$1.00	Serriselle
American Gerichics Society	\$11.705.09*	\$1.00	\$5.00	\$2.00	\$1.00	\$11,786.80
American Pala Foundation	EI5.008.00	\$1.00	\$1.00	\$2.00	\$8.00	531,800,80
American Pain Society	\$542,239,52	\$85,500.00	\$286,750,00	\$22,945.00	\$20,200,00	5N2734.52
Americon Society of Poln Education	\$10,000.00	\$8.00	\$1.00	\$2.00	\$2.00	530,800,80
American Society of Poin Management Numbra	EHE.331-00	\$55,177.80*	\$25.560-30+	98.00	\$4.00	\$333,312.48
the Center for Practical Bioriffics	F400130	P-LORGE	\$1.00	\$1.00	\$E.00	\$145,8HE OH
The Noticeal Fain Feasternet	80.00	\$1.00	\$1.00	\$542,300,30	\$1.00	\$542,598.08
U.S. Pain Foundation	\$164.380-30	\$41,880.00	\$21.080.00	\$2,508.000-08*	\$1.00	53, 921, 895, 60
Washington Legal Paundation	200.00030	\$2.00	\$5.00	\$2.00	\$2.00	5600.000.0N
			\$1.071114.NO	53.144.241.80	530.345.80	

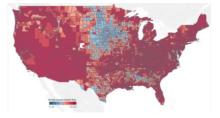
Oxycontin Sales



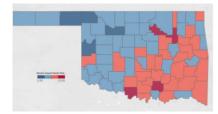
Overdoses in the United States (2003)



Overdoses in the United States (2020)

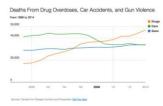


Overdoses in Oklahoma (2003)

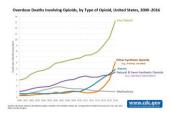


Overdoses in Oklahoma (2020)





Waves of the Current Epidemic



Wave 1

Prescription Opioids

OK County Prescribing Rates per 100

County	2011	County	2020
Harmon	241.7	Harper	205.1
Pittsburg	227.8	Harmon	171.3
Murray	207.5	Love	126.2
Mcclain	204.1	Kingfisher	110.9
Carter	201.8	Tulsa	103.1
Pottawatomie	190.6	Oklahoma	97.3
Jackson	180.4	Carter	84.3
Stephens	168.1	Muskogee	71.4
Bryan	162.8	Tillman	65
Beckham	162	Adair	62.2

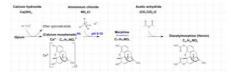
Most Common Substances by Year of Death,	
Unintentional Poisoning, Oklahoma, 2008-2020)

	Number of deaths															
Drug	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
All UP	579	602	659	661	655	717	757	732	692	759	743	664	614	774	980	10588
Drug overdose	537	557	622	611	608	675	700	665	646	707	679	610	570	733	958	9878
Prescription	474	507	541	510	501	536	535	505	415	424	339	248	198			5733
Prescription opioids	445	455	484	451	422	473	471	432	355	344	266	185	156			4939
Anti-anxiety	152	153	176	177	180	169	139	154	121	100	95	46	44	51	70	1827
Alcohol	77	98	104	110	115	90	121	126	91	101	119	84	59	69	95	1459
Methamphetamines	39	37	68	96	101	123	178	159	227	278	307	339	341	471	619	3383
Cocaine	67	46	39	45	48	44	30	21	40	32	47	42	43	65	72	681
Illicit opioids	<5	11	18	6	16	29	28	25	35	57	68	84	68			445
Any opioid	448	466	498	458	444	502	501	463	390	396	340	259	215	266	410	6056



Wave 2

Heroin



Most Common Substances by Year of Death, Unintentional Poisoning, Oklahoma, 2008-2020

 Drug
 2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 2021

 Herein
 <5</td>
 11
 18
 6
 16
 29
 28
 25
 33
 52
 55
 80
 67
 78
 41

Wave 3

Fentanyl

Waves of Fentanyl Use

1. Pressed Pills

2. Added to Heroin

3. Sought after on its own

Most Common Substances by Year of Death, Unintentional Poisoning, Oklahoma, 2008-2020

 Drug
 2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 2021

 Fentanyi
 44
 56
 77
 51
 48
 57
 62
 39
 53
 68
 54
 50
 47
 127
 29

Require continuing medical education (CME) for prescribers on opioid abuse and misuse each year

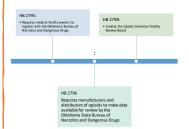
Restricts initial prescriptions for opioids to a sevenday supply

OK Senate Bill 1446

Failure to check PMP is grounds for disciplinary action by licensing board

Review chronic pain prescriptions every 3 months and make efforts to decrease or try other treatment





Questions?

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