

The Perfect Storm: COVID-19's Impact on Addiction Over the Past Year March 18, 2021



Featured Panelists



Lt. Jason Piotrowski Drug Monitoring Initiative New Jersey State Police

Lt. Piotrowski began his career in law enforcement in 1995 serving as a local police officer before joining the New Jersey State Police in 2001. Jason was selected as an initial member of the state fusion center in 2006. During his fusion center tenure, Jason helped supervise the Crime and Threat analysis units, and served at the National **Operations Center, in Washington DC. In 2014,** Jason was selected to help develop the New Jersey Drug Monitoring Initiative, currently serving as the Unit Head of the Office of Drug Monitoring and Analysis. In this position, he oversees the collection, analysis, intelligence production, and training and outreach efforts related to the drug environment, specifically focused on the opioid epidemic.



Meg Fisher MD, FAAP Special Advisor to the Commissioner of Health New Jersey Department of Health

Dr. Fisher received her medical degree from the University of California at Los Angeles School of Medicine. She completed her **Pediatric Residency and Fellowship Training** in Pediatric Infectious Diseases at St. Christopher's Hospital for Children in Philadelphia. Dr. Fisher recently joined the New Jersey Department of Health as a Special Advisor to the Commissioner of Health. She is also the Medical Director of Clinical and Academic Excellence at Monmouth Medical Center and Clinical Professor of Pediatrics. Rutgers Robert Wood Johnson School of Medicine. Dr. Fisher has been involved in global health through the Gavi Vaccine Alliance, the Brighton Collaboration, the International Pediatric Association, the Centers for Disease Control and Prevention, and the American Academy of Pediatrics.



Caitlin O'Neill Director of Harm Reduction Services New Jersey Harm Reduction Coalition

Caitlin O'Neill is a healer, a survivor and a harm reductionist. Caitlin was introduced to harm reduction in the 2000s by utilizing her local syringe access program and spent a dozen years or so informally serving as a friendly neighborhood harm reduction provider while working as a massage therapist and bodyworker. In 2019, Caitlin co-founded New Jersey Harm **Reduction Coalition and currently serves** as the Director of Harm Reduction Services, working to increase access to resources for all people who use drugs, no matter where they are, so that each individual may live their life as they see fit.



Jenna Mellor Executive Director New Jersey Harm Reduction Coalition

Jenna Mellor is currently the Executive **Director at New Jersey Harm Reduction** Coalition, which provides direct harm reduction services, advocates for equitable drug policy, and organizes by and with people harmed by overdose crisis and the War on Drugs. Jenna has over 10 years of experience at the intersection of direct service and public policy. Previously, she served as the Associate Director at Point Source Youth. aide to Congressman Jerrold Nadler and Outreach Manager at HIPS, and has advised the New Jersey Department of Health on harm reduction best practices. Jenna recently completed her Master's in Public Affairs at Princeton, focusing on drug and housing policies that promote public health and human dignity.





Lt. Jason Piotrowski Drug Monitoring Initiative New Jersey State Police



Drug Monitoring Initiative Office of Drug Monitoring and Analysis



NJ Drug Environment Lt. Jason Piotrowski



Drug Monitoring Initiative



DMI establishes an intelligence capacity that supports public safety and public health partners in:

- Understanding of community drug harms at the state, county and local level
- Recognition of emerging drug threats in real-time or near real-time
- Identifying the areas, populations and people that are most at risk for overdose or death.

What is DMI?

• A multi-jurisdictional drug-incident information sharing environment.

How?

• A robust collection and analysis of drug correlated data.



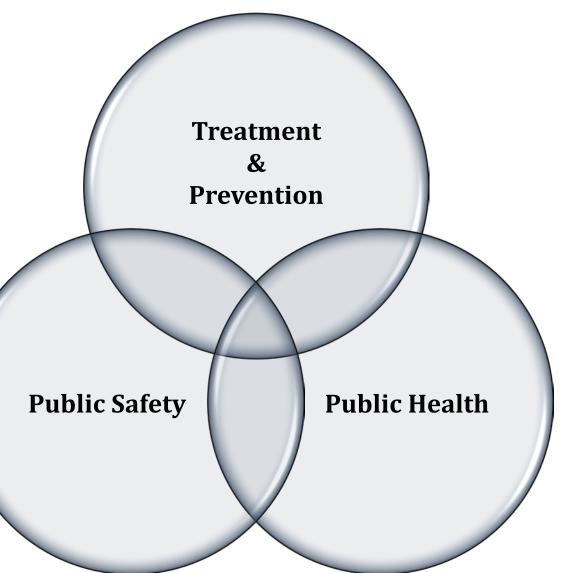
Drug Monitoring Initiative Intelligence-Led Policing & Prevention



Understand the scope of the overdose epidemic

Understand the presence & prevalence of dangerous novel drugs

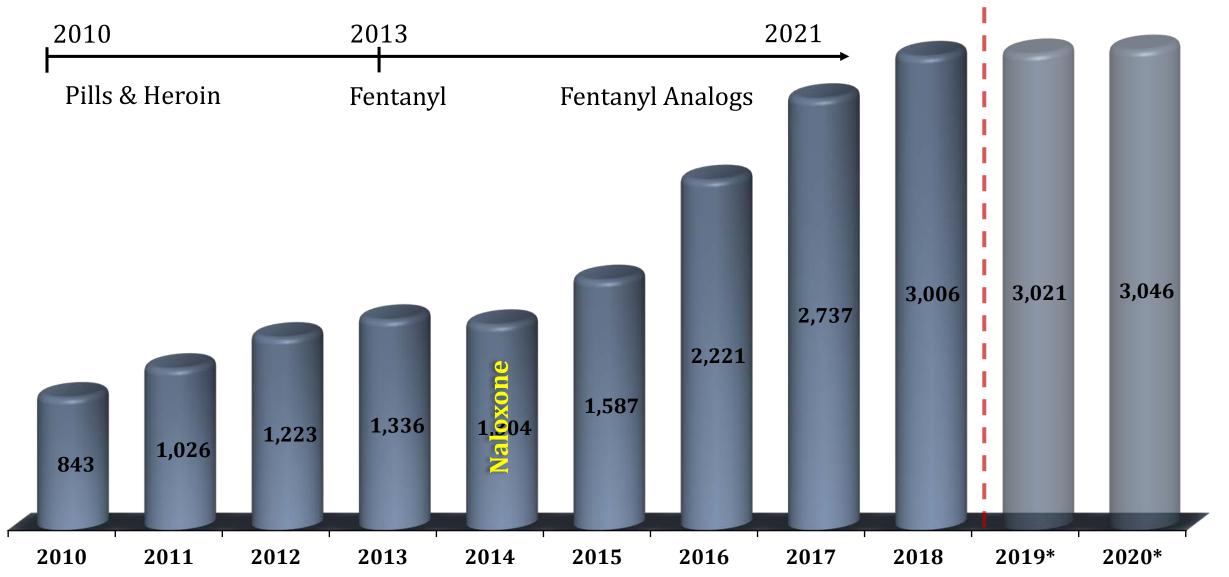
Enhance policies and practices for mitigation of community drug harms





Drug Overdose Death Trend





*Preliminary Medical Examiner Data





Fentanyl Analogs First Identified in NJ

| 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------|-----------------|---------------------|-----------------------------|---------------------------|---------------------------------|--------------------------------|-------------------------|------|
| | | | | | | | | |
| | | | | | | | | |
| Fentanyl | Acetyl Fentanyl | Butryl Fentanyl | 2-Furanyl Fentanyl | Acrylfentanyl | Alpha-Methylacetyl | Benzoyl Fentanyl | Chlorofentanyl | |
| | | Pentanoyl (Valeyrl) | 3-Methyl Fentanyl | Butanoyl Fentanyl | Fentanyl | Despropionyl para- | Fluorofentanyl | |
| | | Fentanyl | Furanyl Fentanyl | Butanoyl 4- | Beta-Methylfentanyl | Fluorofentanyl | Meta-fluorofentany | rl |
| | | | Para-Fluorobutryl | Fluorofentanyl | Despropionyl | Fluoro Furanyl | Para-Chlorofentany | |
| | | | Fentanyl (p-FBF) | Butryl | Fluorofentanyl | Fentanyl | Para-Fluorofentany | |
| | | | Para- | Fluorofentanyl | Fluorobutryl Fentanyl | Methyl Cyclopropyl Fentanyl | r al a-r luoi olentally | 1 |
| | | | Fluoroisobutryl | Carfentanil | Fluoroisobutryl | | | |
| | | | Fentanyl (4-FIBF) | Crotonyl Fentanyl | Fentanyl | Phenyl Fentanyl | | |
| | | | Tetrahydrofuran Fentanyl | Cyclopropyl Fentanyl | N-Benzyl Furanyl Norfentanyl | | | |
| | | | | Iso-Butanoyl-4- | N-Methyl Norfentanyl | | | |
| | | | | Fluorofentanyl | Thiofuranyl Fentanyl | | | |
| | | | | Methoxyacetyl Fentanyl | Thiopene Fentanyl | | | |

Total number of fentanyl class substances identified in NJ: 38

Temporary Increase in Suspected Drug-Related Deaths



- Reporting of suspected drug-related deaths in New Jersey significantly increased during COVID-19 (particularly March, April, & May of 2020), when compared to the same time period in 2019.
 - Mar May 2019 = 672 drug-related deaths
 - Mar May 2020 = 803 drug-related deaths
 - 19% increase when comparing 2019 to 2020.
- Statewide, 309 suspected drug-related deaths were reported for the month of May, the highest amount of suspected drug-related deaths reported since the DMI began collecting the data.
- Starting in July 2020, suspected drug-related deaths were lower every month when compared to 2019.

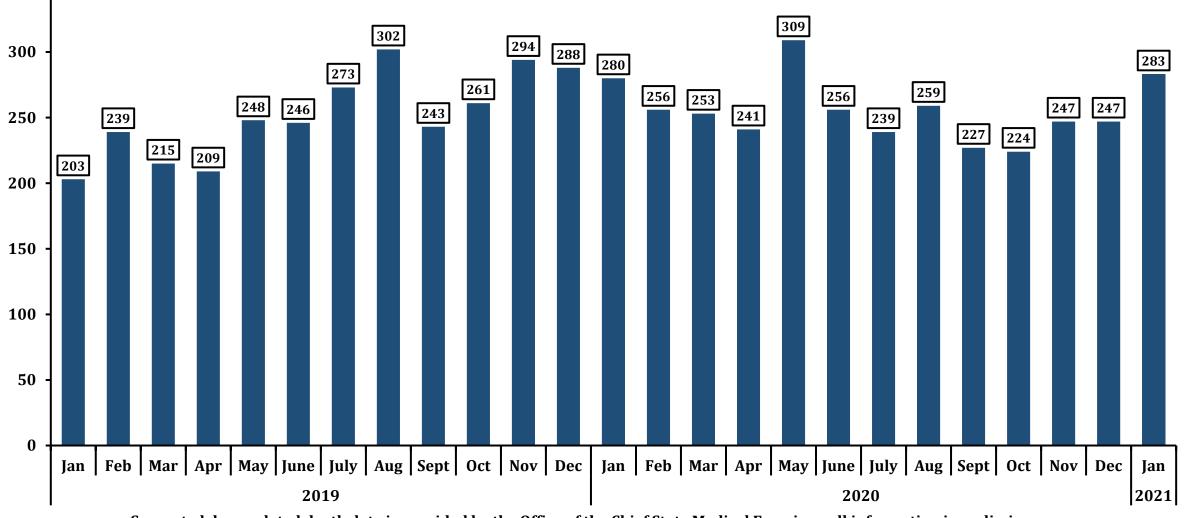
| Month | Mar | Apr | Мау | | Month | July | Aug | Sept | Oct | Nov | Dec |
|----------|-----|-----|-----|---|----------|------|------|------|------|------|------|
| 2019 | 215 | 209 | 248 | | 2019 | 273 | 302 | 243 | 261 | 294 | 288 |
| 2020 | 253 | 241 | 309 | | 2020 | 239 | 259 | 227 | 224 | 247 | 247 |
| % Change | 18% | 15% | 25% |] | % Change | -12% | -14% | -7% | -14% | -16% | -14% |



350

Suspected Drug-Related Deaths: 1/1/2019 – 1/31/2021



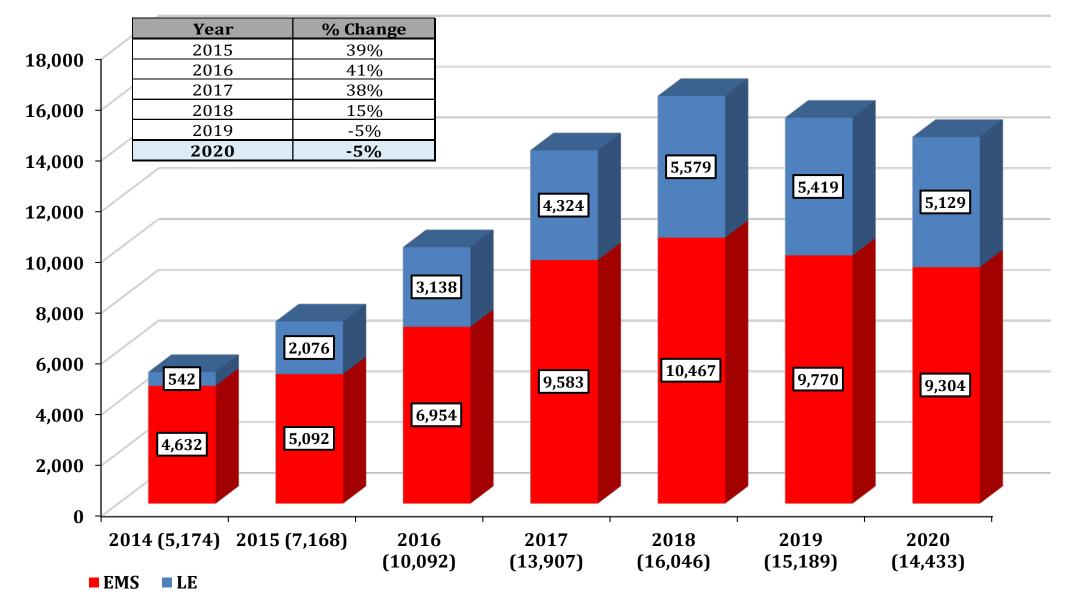


Suspected drug-related death data is provided by the Office of the Chief State Medical Examiner, all information is preliminary and subject to change.



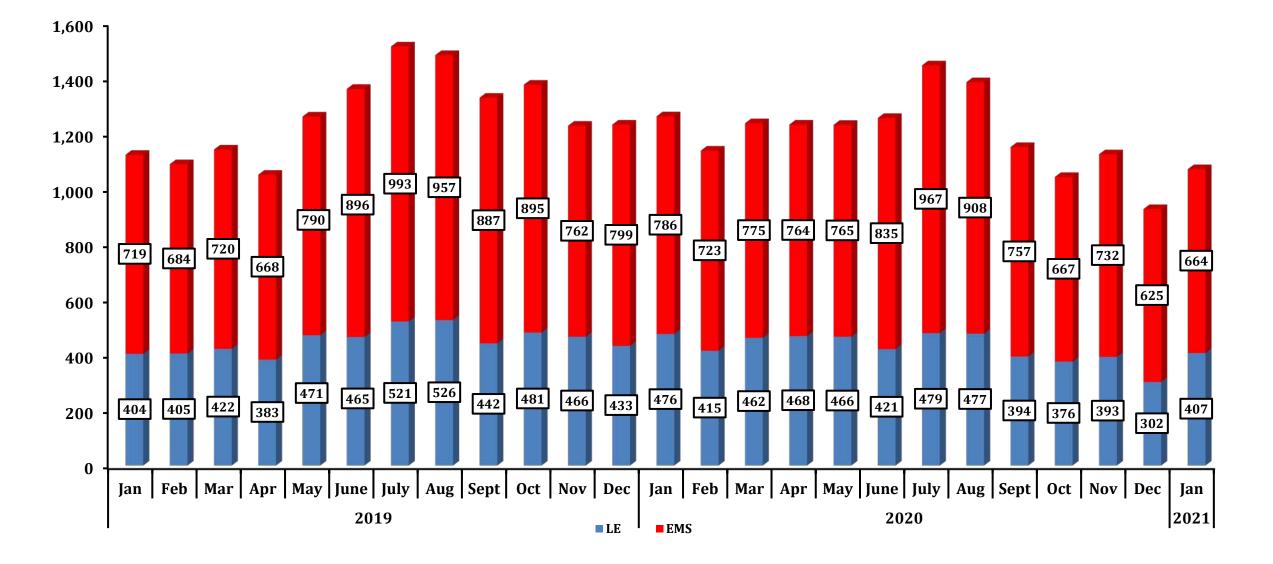


2014 - 2020 EMS & LE Naloxone Administrations





Naloxone Administrations: 1/1/2019 – 1/31/2021

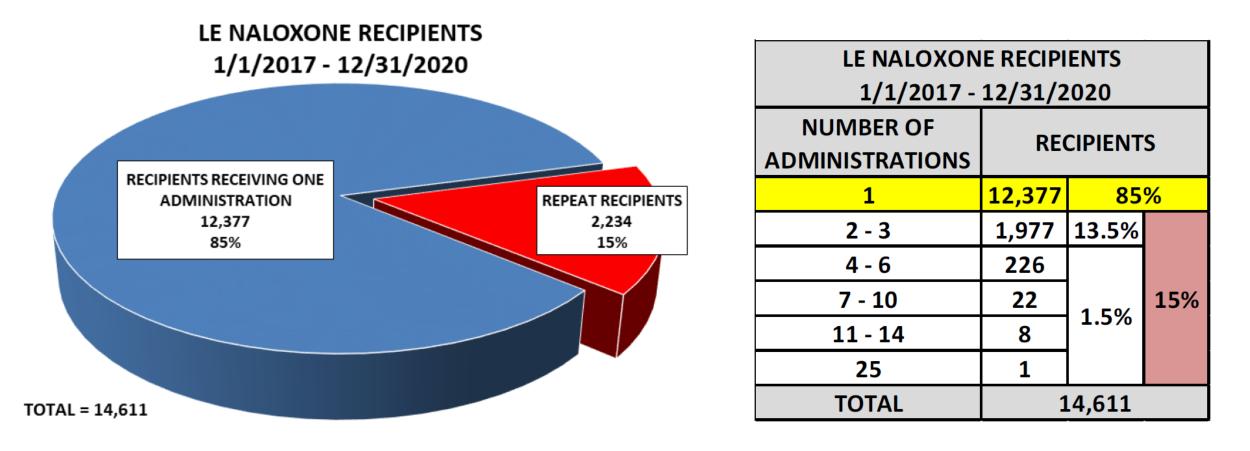




LE Naloxone Administrations : Repeat Recipients



Of the 14,611 identified recipients receiving LE naloxone administrations, 15% (2,234) received naloxone two or more times.





LE Naloxone Administrations : Repeat Recipients



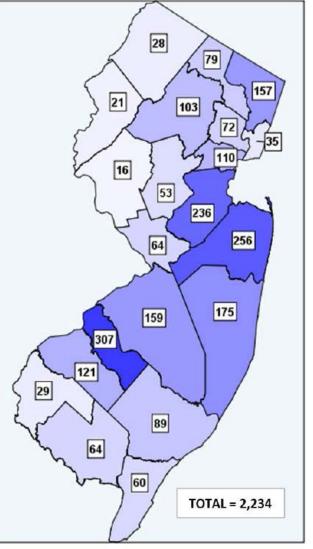
88% of all LE recipients and **91%** of LE repeat recipients reportedly lived after receiving naloxone.

| LE NALOXONE RECIPIENTS 1/1/2017 - 12/31/2020 | | | | | | | | | | |
|---|---------|-----------|------------|-----------|--|--|--|--|--|--|
| LIVED | REPE/ | ٩T | ALL | | | | | | | |
| | RECIPIE | NTS | RECIPIENTS | | | | | | | |
| YES | 2,029 | 91% | 12,848 | 88% | | | | | | |
| NO | 132 | 6% | 1,096 | 8% | | | | | | |
| UNKNOWN | 73 | 3% | 667 | 5% | | | | | | |
| ΤΟΤΑΙ | 2,23 | 4 | | | | | | | | |
| TOTAL | 15% | , | 14, | 611 | | | | | | |

Camden (307) and Monmouth (256) counties reported the most repeat recipients.

| | ALOXONE | | | |
|------------|-------------|----------|------------------|--------|
| 1/1 | /2017 - 1 | .2/31/2 | 020 | |
| COUNTY | REPEA | T RECIPI | ENTS | TOTAL |
| COONT | NO | YI | ES | TOTAL |
| ATLANTIC | 553 | 89 | 4% | 642 |
| BERGEN | 911 | 157 | 7% | 1,068 |
| BURLINGTON | 899 | 159 | 7% | 1,058 |
| CAMDEN | 1,453 | 307 | 14% | 1,760 |
| CAPE MAY | 334 | 60 | 3 % | 394 |
| CUMBERLAND | 374 | 64 | 3 % | 438 |
| ESSEX | 595 | 72 | 3 % | 667 |
| GLOUCESTER | 629 | 121 | 5% | 750 |
| HUDSON | 314 | 35 | 2 % | 349 |
| HUNTERDON | 85 | 16 | 1% | 101 |
| MERCER | 469 | 64 | 3 % | 533 |
| MIDDLESEX | 1,220 | 236 | 11% | 1,456 |
| MONMOUTH | 1,196 | 256 | 11% | 1,452 |
| MORRIS | 451 | 103 | 5% | 554 |
| OCEAN | 976 | 175 | <mark>8</mark> % | 1,151 |
| PASSAIC | 592 | 79 | 4% | 671 |
| SALEM | 117 | 29 | 1% | 146 |
| SOMERSET | 282 | 53 | 2 % | 335 |
| SUSSEX | 162 | 28 | 1% | 190 |
| UNION | 585 | 110 | 5% | 695 |
| WARREN | 180 | 21 | 1% | 201 |
| TOTAL | 12,377 | 2,2 | .34 | 14,611 |
| TOTAL | 85 % | 15 | 5% | 14,011 |

LE NALOXONE REPEAT RECIPIENTS 1/1/2017 - 12/31/2020





LE Naloxone Administrations : Repeat Recipients



- 43% of repeat recipients were 25 to 34 years old.
- **78%** of repeat recipients were white; 73% were male.

| LEN | NALOXONE | RECIP | IENTS | | | | |
|-----------|-------------|---------|--------------------|-------------------|--|--|--|
| 1/ | /1/2017 - 1 | .2/31/2 | 2020 | | | | |
| AGE | REPEAT | TOTAL | | | | | |
| AGE | NO | NO YES | | | | | |
| UNKNOWN | 26 | 17 | 1% | 43 | | | |
| UNDER 18 | 80 | 3 | 0.1 <mark>%</mark> | 83 | | | |
| 18 - 21 | 585 | 89 | 4% | <mark>67</mark> 4 | | | |
| 22 - 24 | 916 | 177 | <mark>8</mark> % | 1,093 | | | |
| 25 - 29 | 2,246 | 487 | 22% | 2,733 | | | |
| 30 - 34 | 2,204 | 465 | <mark>21</mark> % | 2,669 | | | |
| 35 - 44 | 2,961 | 524 23% | | 3,485 | | | |
| 45 - 54 | 1,925 | 323 | 14% | 2,248 | | | |
| 55 & OVER | 1,434 | 149 | 7% | 1,583 | | | |
| τοται | 12,377 | 2, | 14 611 | | | | |
| TOTAL | 85% | 1 | 14,611 | | | | |

| | NALOXONE | | | | | | | | | | |
|----------------------------|-------------|---------|-----------------|-------|--|--|--|--|--|--|--|
| 1/ | /1/2017 - 1 | .2/31/2 | 2020 | | | | | | | | |
| RACE REPEAT RECIPIENTS TOT | | | | | | | | | | | |
| RACE | ΈS | TOTAL | | | | | | | | | |
| WHITE | 8,940 | 10,691 | | | | | | | | | |
| BLACK | 1,774 | 232 | 10% | 2,006 | | | | | | | |
| HISPANIC | 1,253 | 192 | <mark>9%</mark> | 1,445 | | | | | | | |
| OTHER | 410 | 59 3% | | 469 | | | | | | | |
| TOTAL | 12,377 | 2, | 14 611 | | | | | | | | |
| TOTAL | 85% | 1 | 14,611 | | | | | | | | |

| 1/1/2017 - 12/31/2020 | | | | | | | | | | |
|-----------------------|--------|----------------|------------|--------|--|--|--|--|--|--|
| GENDER | ENTS | TOTAL | | | | | | | | |
| GENDER | 'ES | IUIAL | | | | | | | | |
| MALE | 8,724 | 1,632 | 73% | 10,356 | | | | | | |
| FEMALE | 3,643 | 600 27% | | 4,243 | | | | | | |
| UNKNOWN | 10 | 2 | 0.1% | 12 | | | | | | |
| TOTAL | 12,377 | 2, | 14,611 | | | | | | | |
| TOTAL | 85% | 1 | | | | | | | | |



Naloxone Administrations Deeper Dive: Subjects Refusing Hospital Transport



EMS Key Findings:

- From January to March of 2020:
 - 78% of victims were transported to the hospital, while 17% refused transport/further care.
- From April to December of 2020 (after COVID-19 heightened):
 - 75% of victims were transported to the hospital, while 19% refused transport/further care.

| EMS NALOXONE ADMINISTRATIONS 1/1/2020 - 12/31/2020 VICTIM DISPOSITION : PERCENT OF MONTHLY TOTAL | | | | | | | | | | | | |
|---|-------------|-----|-----|-----|------------|-----|-----|-------------|------|------------|-----|-----|
| INCIDENT MONTH | | | | | | | | | | | | |
| DISPOSITION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | ОСТ | NOV | DEC |
| TRANSPORTED TO HOSPITAL | 78 % | 80% | 75% | 63% | 70% | 74% | 76% | 78 % | 77% | 79% | 77% | 80% |
| REFUSED TRANSPORT/ACTION/CARE 17% 14% 20% 27% 23% 20% 18% 16% 16% 17% | | | | | | | | | | 13% | | |

| EMS NALOXONE ADMINISTRATIONS | 1/1/20 | 020 - 12 | 2/31/2 | 020 | | | | | | |
|---|------------------|------------|-------------|-------------|--|--|--|--|--|--|
| VICTIM DISPOSITION - QUARTERLY AVERAGES | | | | | | | | | | |
| DISPOSITION | INCIDENT QUARTER | | | | | | | | | |
| DISFOSITION | Q-1 | Q-2 | Q-3 | Q-4 | | | | | | |
| TRANSPORTED TO HOSPITAL | 78 % | 69% | 78 % | 78 % | | | | | | |
| REFUSED TRANSPORT/ACTION/CARE | 17% | 23% | 17% | 15% | | | | | | |



Naloxone Administrations Deeper Dive: Victim Transported to Hospital

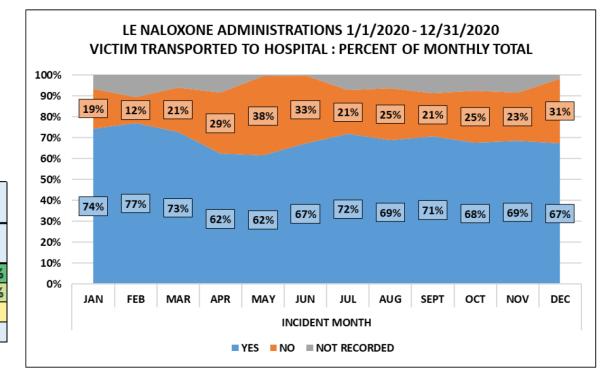


LE Key Findings:

- From January to March of 2020:
 - 75% of recorded victims were transported to hospital.
- From April to December of 2020 (after COVID-19 heightened):
 - 67% of recorded victims were transported to hospital.

| LE NALOXONE ADMINISTRATIONS 1/1/2020 - 12/31/2020 VICTIM TRANSPORTED TO HOSPITAL : PERCENT OF MONTHLY TOTAL | | | | | | | | | | | | |
|--|------------|--|-------------|-----|-----|-----|-------------|-----|------|------------|-----|------------|
| TRANSPORTED | | | | | IN | | MÓN | TH | | | | |
| TO HOSPITAL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC |
| YES | 74% | 4% 77% 73% 62% 62% 67% 72% 69% 71% 68% 69% 67% | | | | | | | | | | |
| NÔ | 19% | 1 2 % | 2 1% | 29% | 38% | 33% | 2 1% | 25% | 21% | 25% | 23% | 31% |

| LE NALOXONE ADMINISTRATIONS 1/1/2020 - 12/31/2020 | | | | | | | | | | | | | | | | | |
|---|--------------------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|---------|-----|--|--|--|
| | VICTIM TRANSPORTED TO HOSPITAL | | | | | | | | | | | | | | | | |
| TRANSPORTED TO INCIDENT MONTH | | | | | | | | | | | | TO | | | | | |
| HOSPITAL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC | C TOTAL | | | | |
| YES | 353 | 320 | 336 | 292 | 287 | 283 | 344 | 328 | 279 | 254 | 270 | 202 | 3,548 | 69% | | | |
| NO | 90 | 51 | 99 | 136 | 176 | 137 | 100 | 119 | 81 | 94 | 90 | 93 | 1,266 | 25% | | | |
| NOT RECORDED | 31 | 44 | 27 | 40 | 3 | 1 | 35 | 30 | 34 | 28 | 33 | 5 | 311 | 6% | | | |
| TOTAL | 474 | 415 | 462 | 468 | 466 | 421 | 479 | 477 | 394 | 376 | 393 | 300 | 5,1 | 25 | | | |



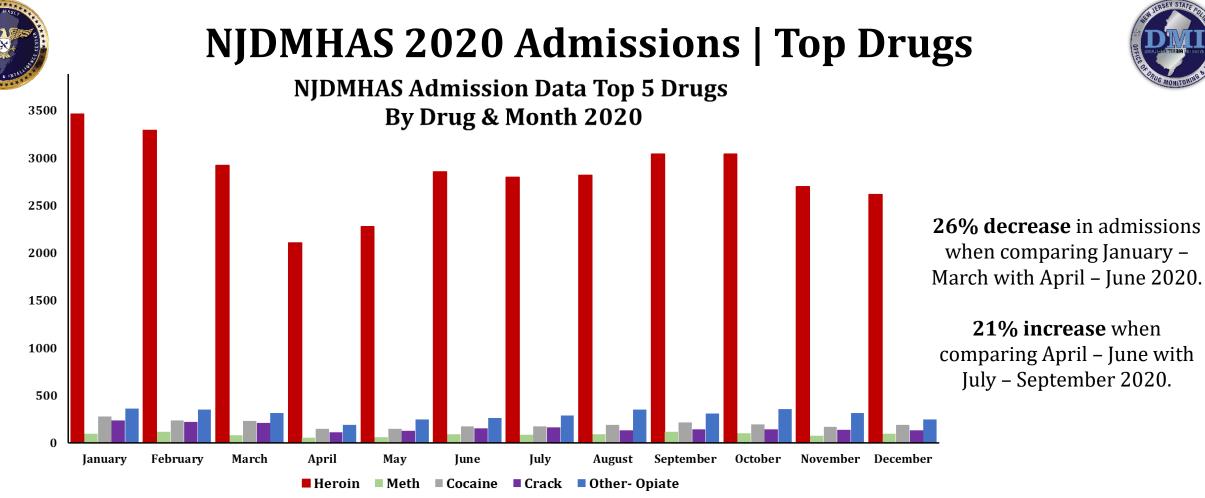


NJDMHAS Treatment & Admission 2015 – 2020



| | NJDMHAS Treatment & Admission Data 2015 -2020 | | | | | | | | | | | | |
|------------|---|--------|----------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--|
| | | | | | | All D | rugs | | | | | | |
| County | | A | dmissior | 15 | | | | | Unique | Clients | | | |
| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | |
| Unknown | 892 | 1,748 | 2,394 | 2,334 | 3,250 | 4,148 | 836 | 1,646 | 2,008 | 1,848 | 2,344 | 2,837 | |
| Atlantic | 4,570 | 4,710 | 5,817 | 6,424 | 7,571 | 6,483 | 3,041 | 3,026 | 3,326 | 3,409 | 3,640 | 3,269 | |
| Bergen | 3,333 | 3,600 | 3,635 | 3,805 | 4,033 | 3,439 | 2,525 | 2,809 | 2,679 | 2,631 | 2,656 | 2,089 | |
| Burlington | 2,738 | 3,093 | 3,525 | 3,884 | 4,579 | 4,071 | 1,975 | 2,138 | 2,388 | 2,403 | 2,763 | 2,417 | |
| Camden | 5,307 | 6,606 | 7,390 | 7,694 | 8,823 | 6,916 | 3,731 | 4,534 | 4,791 | 4,693 | 4,967 | 4,009 | |
| Cape May | 2,235 | 2,128 | 1,936 | 2,379 | 2,837 | 2,166 | 1,350 | 1,344 | 1,199 | 1,354 | 1,383 | 1,126 | |
| Cumberland | 1,971 | 1,912 | 2,203 | 2,573 | 2,870 | 2,365 | 1,261 | 1,310 | 1,392 | 1,504 | 1,668 | 1,432 | |
| Essex | 5,907 | 6,534 | 7,343 | 8,438 | 8,402 | 7,247 | 4,486 | 4,940 | 5,549 | 6,074 | 5,671 | 4,796 | |
| Gloucester | 2,570 | 2,987 | 3,677 | 3,966 | 4,791 | 4,149 | 1,700 | 1,958 | 2,227 | 2,275 | 2,546 | 2,223 | |
| Hudson | 3,894 | 4,302 | 4,517 | 4,870 | 4,850 | 3,683 | 3,026 | 3,129 | 3,286 | 3,371 | 3,288 | 2,470 | |
| Hunterdon | 866 | 1,007 | 985 | 1,071 | 1,026 | 695 | 633 | 694 | 650 | 703 | 657 | 426 | |
| Mercer | 2,593 | 3,133 | 3,028 | 3,635 | 4,291 | 3,771 | 1,930 | 2,300 | 2,162 | 2,480 | 2,647 | 2,393 | |
| Middlesex | 5,194 | 5,708 | 5,892 | 6,138 | 6,612 | 5,496 | 3,738 | 4,099 | 4,123 | 4,133 | 4,155 | 3,369 | |
| Monmouth | 6,053 | 6,183 | 6,246 | 6,941 | 7,245 | 5,790 | 4,246 | 4,304 | 4,210 | 4,372 | 4,113 | 3,324 | |
| Morris | 2,587 | 2,948 | 3,075 | 3,037 | 3,025 | 2,442 | 1,839 | 1,991 | 2,021 | 1,952 | 1,755 | 1,366 | |
| Ocean | 7,090 | 7,246 | 7,562 | 7,736 | 8,436 | 6,729 | 4,807 | 4,945 | 4,942 | 4,882 | 4,850 | 3,862 | |
| Passaic | 3,975 | 4,374 | 4,937 | 5,611 | 6,147 | 4,426 | 2,764 | 3,001 | 3,202 | 3,390 | 3,573 | 2,629 | |
| Salem | 555 | 613 | 705 | 688 | 829 | 825 | 369 | 406 | 453 | 416 | 482 | 443 | |
| Somerset | 1,857 | 2,048 | 2,033 | 2,095 | 2,251 | 1,788 | 1,384 | 1,547 | 1,491 | 1,453 | 1,469 | 1,106 | |
| Sussex | 1,141 | 1,324 | 1,282 | 1,393 | 1,570 | 1,279 | 766 | 888 | 879 | 909 | 971 | 772 | |
| Union | 3,134 | 3,368 | 3,358 | 3,587 | 3,915 | 3,261 | 2,361 | 2,562 | 2,399 | 2,455 | 2,466 | 2,034 | |
| Warren | 918 | 1,008 | 1,100 | 1,328 | 1,275 | 1,085 | 700 | 718 | 736 | 828 | 808 | 713 | |
| Total | 69,380 | 76,580 | 82,640 | 89,627 | 98,628 | 82,254 | 48,199 | 52,872 | 54,412 | 55,589 | 56,271 | 46,775 | |

2020 experienced a **17% decrease** in total admissions and unique clients, compared to 2019, representing the impact of COVID-19.

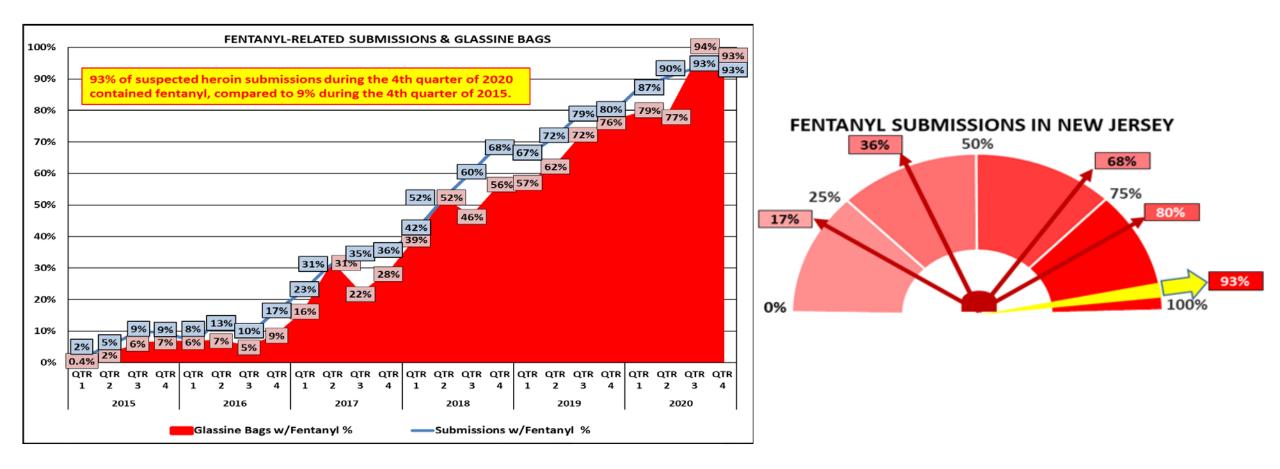


| Туре | Jan | Feb | Mar | Apr | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Heroin | 3,465 | 3,295 | 2,925 | 2,107 | 2,281 | 2,858 | 2,801 | 2,820 | 3,042 | 3,044 | 2,698 | 2,616 | 33,952 |
| Meth | 98 | 120 | 83 | 54 | 60 | 91 | 89 | 90 | 116 | 100 | 76 | 98 | 1,075 |
| Cocaine | 279 | 236 | 233 | 149 | 151 | 176 | 177 | 192 | 219 | 195 | 172 | 190 | 2,369 |
| Crack | 237 | 222 | 210 | 114 | 127 | 153 | 166 | 132 | 144 | 142 | 139 | 136 | 1,922 |
| Other-Opiate | 364 | 351 | 315 | 193 | 250 | 263 | 291 | 352 | 309 | 358 | 316 | 247 | 3,609 |
| Oxycodone | 125 | 116 | 122 | 91 | 129 | 104 | 138 | 117 | 130 | 112 | 111 | 123 | 1,418 |
| Alprazolam | 68 | 58 | 79 | 54 | 62 | 89 | 72 | 77 | 99 | 102 | 80 | 72 | 912 |
| Hydrocodone | 1 | 1 | 2 | 5 | 4 | 4 | 3 | 4 | 1 | 2 | 5 | 1 | 33 |
| Total | 4,637 | 4,399 | 3,969 | 2,767 | 3,064 | 3,738 | 3,737 | 3,784 | 4,060 | 4,055 | 3,597 | 3,483 | 45,290 |

Fentanyl Environment in NJ







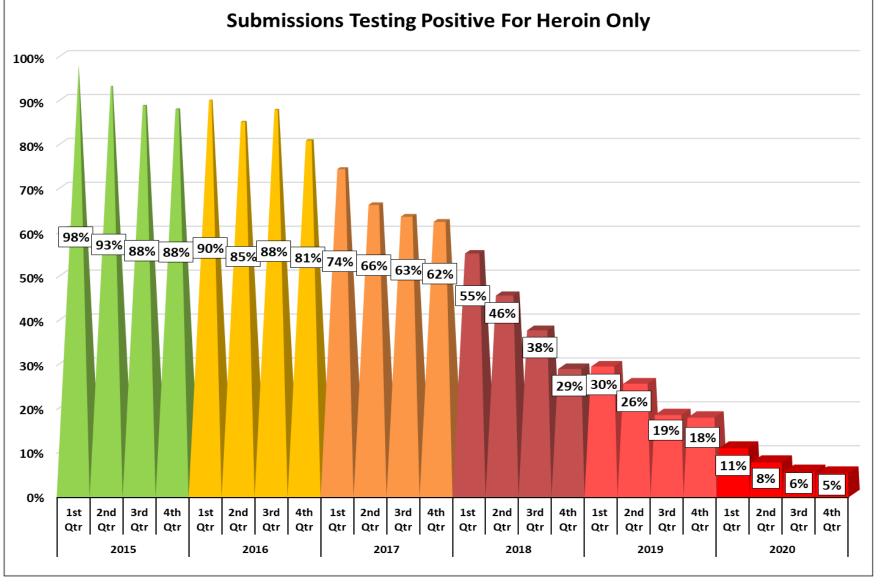
In the 4th quarter of 2020, 93% of suspected heroin submissions contained fentanyl.



Heroin Only Environment in NJ



The number of suspected heroin submissions testing positive for heroin, with no other drugs, has steadily **declined**, from 98% in the 1st quarter of 2015 to **5%** in the 4th quarter of 2020.





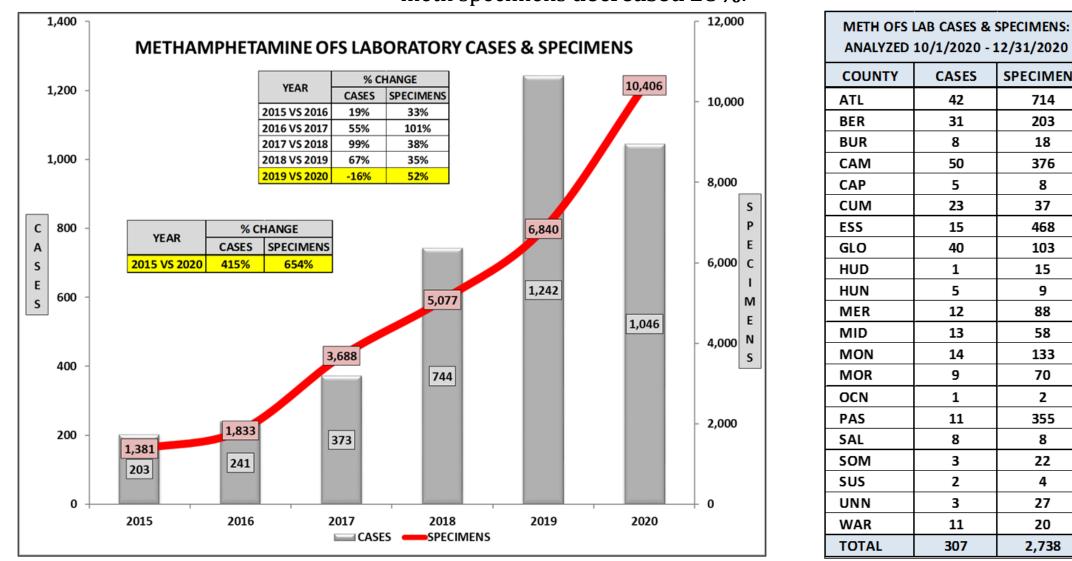
Methamphetamine



SPECIMENS

2,738

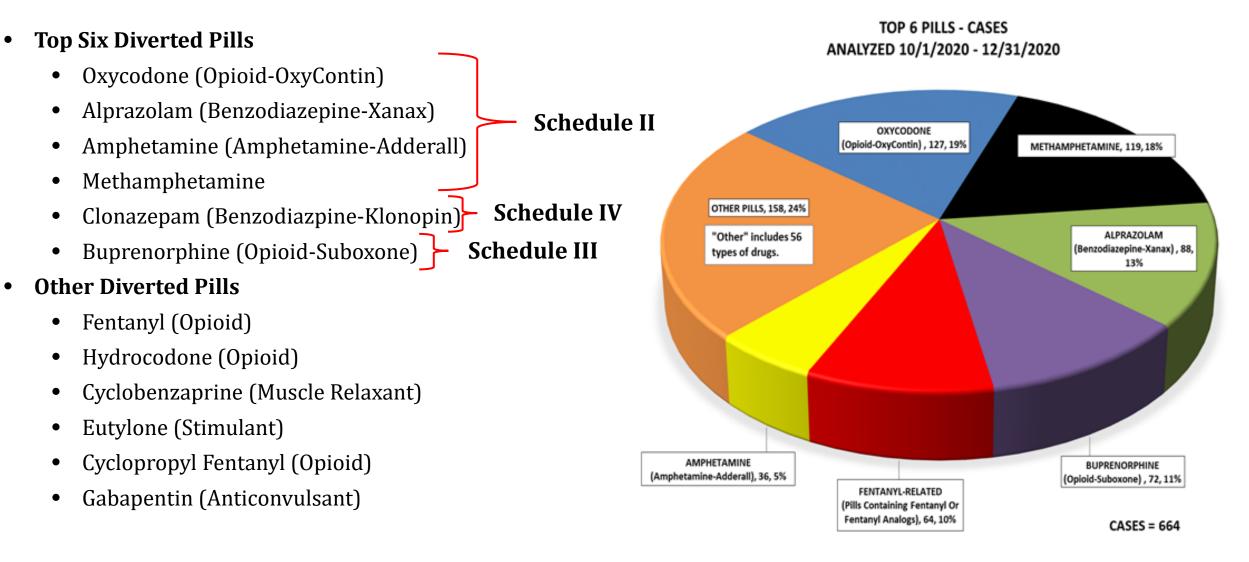
From the 3rd quarter to the 4th quarter of 2020, methamphetamine cases **increased 40%**; meth specimens decreased 28%.





Prescription Legend Drugs (PLDs)/Pills









For more information: Jason.Piotrowski@NJSP.ORG



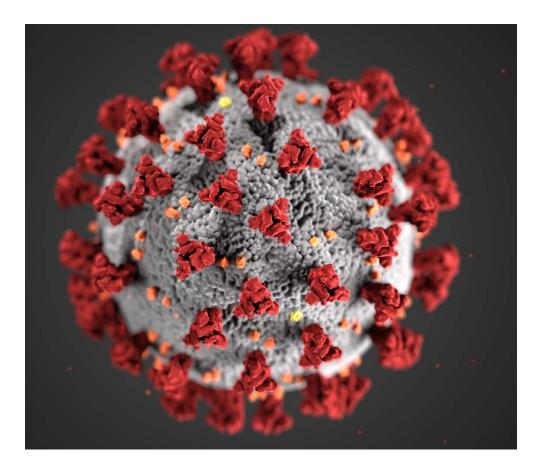
Meg Fisher, MD, FAAP Special Advisor to the Commissioner of Health New Jersey Department of Health





The Perfect Storm: COVID-19's Impact on Addiction Over the Past Year

Meg Fisher, MD March 18, 2021





Disclaimer

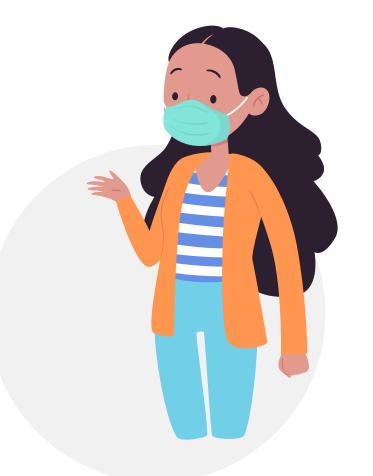
- Information about COVID-19 and SARS-CoV-2, the virus that causes the illness is evolving daily
- Recommendations change frequently
- What you hear today may be outdated soon
- Trusted sources of up to date information
 - NJ Department of Health <u>www.nj.gov/health/</u>
 - Centers for Disease Control and Prevention -<u>www.cdc.gov</u>



COVID-19 Basics

COVID-19 is real and can be serious

- Disease varies from asymptomatic to mild upper respiratory illness to pneumonia to multiorgan involvement and death
- Disease in children is almost always either asymptomatic or mild
 - Multisystem inflammatory syndrome Children (MIS-C) is a rare postinfectious complication

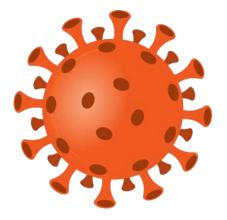




COVID-19 Basics

COVID-19 is caused by SARS-CoV-2

- It is spread by droplets from an infected person who talks, sneezes, coughs, sings, or breathes
- Droplets generally fall to the ground within 6 ft or about 2 arm lengths
- These droplets can land in a person's eyes or be inhaled by a person who is standing close by
- Rarely the virus is airborne and travels greater distances, sometimes cause super-spreader events





Transmission





What tools do we have to protect ourselves against COVID-19?







Physical distance and avoid crowds



Wash hands often



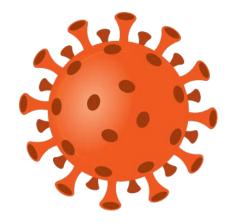
Stay away from sick people and stay home if you are sick





COVID-19 vaccines

- Messenger RNA (mRNA) vaccines
 - Pfizer 12/11/20 for ages 16 years and older
 - Moderna 12/18/20 for ages 18 years and older
- Adenovirus vector
 - J&J Janssen 2/27/21 for ages 18 years and older





mRNA COVID-19 vaccines

- Pfizer BioNTech (super cold freezer), dose 2 at 3 weeks
- Moderna (must be refrigerated), dose 2 at 4 weeks

1st Dose 2nd Dose

Both doses should be the same vaccine

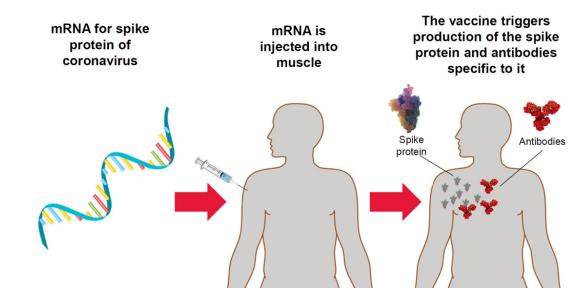


About the mRNA COVID-19 vaccines

- It doesn't include the actual virus
- Messenger RNA is the code for the spike protein of the virus
- The mRNA is in a lipid nanoparticle
- The lipid allows the mRNA to enter your muscle cells; the code is read and the spike protein is produced
- Your immune system responds to the spike protein. Antibodies and cell mediated immunity results
- These protect you from infection

Vaccine Without The Virus: Messenger RNA (mRNA) Approach

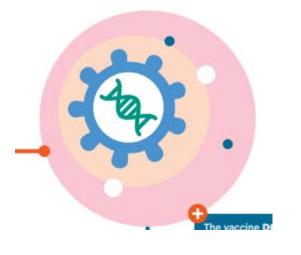
NIH Vaccine Research Center and Moderna went from sequence to Phase I in 63 days



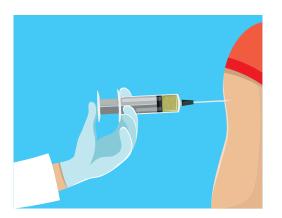


J&J Janssen COVID-19 vaccine

- The code for the spike protein is inserted into a special adenovirus
- This adenovirus cannot replicate
- The adenovirus enters your cells and releases the code for the spike protein
- Your immune systems responds to the spike protein









How were the COVID-19 vaccines developed so quickly?

- Messenger RNA vaccines and adenovirus vector vaccines are new but not unknown
- The research was basically already done!
 - The virus that causes COVID-19 (SARS-CoV-2) is VERY similar to other viruses (SARS and MERS), which had a lot of vaccine research starting in 2003
- Clinical trials overlapped instead of running one at a time
- Vaccine makers were able to begin production early to have enough supply

Krammer, F. SARS-CoV-2 vaccines in development. *Nature* **586**, 516–527 (2020). <u>https://doi.org/10.1038/s41586-020-2798-3</u>.



Clinical Trials for Authorized Vaccines

- All trials include people of different race and ethnicity
- All trials include people of different ages
- All trials include people with underlying conditions
- There are no head to head trials of efficacy
- Trials were done at different times and in different locations
- All trials are ongoing for another 2 years



Side effects of the COVID-19 vaccines

- Most common complaint was pain at the injection site^{1,2}
 - Other common symptoms included fatigue, fever, and headache
 - These are common side effects after getting vaccinated
- Risk for severe reaction to the vaccine (~0.5%)^{1,2}
- People with a history of severe allergies (anaphylaxis) to food or medicine should talk to their doctor before taking the vaccine
- Side effects less common in people over 50 years of age
- Side effects more common after the second dose
- 1. https://www.fda.gov/media/144246/download
- 2. https://www.fda.gov/media/144434/download
- <u>3. https://www.who.int/docs/default-source/coronaviruse/risk-comms-updates/update-36-long-term-</u>
- symptoms.pdf?sfvrsn=5d3789a6_2#:~:text=%E2%80%A2%20Most%20people%20with%20COVID,have%20lasting%20health%20effects.



Who gets the vaccine first?

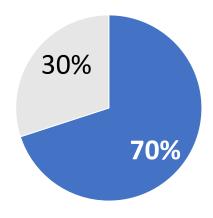
New Jersey's goal is to vaccinate 70% of the adult population or 4.7 million people

Frontline health care workers starting December 18

- This is because they come into direct contact with persons who may be sick and seeking care
- We need to take care of those who take care of us!

Also included are persons who live in group settings, such as nursing homes, group homes, and jails

• Since the virus is spread by talking, sneezing, coughing, singing and breathing, those who live in settings where they come into contact with many others are more at-risk for being infected







Next Phases

- January 7
 - First responders
 - Sworn law enforcement and fire professionals
- January 14
 - People over 65 years
 - People 16 to 64 with health conditions
 - Cancer, kidney disease, lung disease, Down syndrome, heart disease, obesity, sickle cell disease, smoking, type 2 diabetes
 - Pregnant and immunocompromised after consulting health care provider



Next Phases

- March 6
 - Educators and school staff
 - Childcare workers
- March 15
 - Transportation workers
 - Public safety workers
 - Migrant farm workers
 - Members of tribal communities
 - Homeless and those living in shelters
 - Those with additional health conditions
 - Asthma, cerebrovascular disease, cystic fibrosis, high blood pressure, dementia, liver disease, overweight, lung fibrosis, thalassemia, type 1 diabetes, immune problems



Next Phases

- March 29
 - Food production, agriculture, food distribution
 - Eldercare and support
 - Warehousing and logistics
 - Social services
 - Elections personnel
 - Hospitality
 - Medical supply chain
 - Postal and shipping services
 - Clergy
 - Judicial system



NJ Vaccine Scheduling System (NJVSS)

- covidvaccine.nj.gov
- NJ's secure online portal to schedule your vaccine appointment
- If no computer or need assistance, call Vaccine Call Center at 855-568-0545



COVID-19 Vaccine Registration

COVID-19 vaccines are on the way to hospitals and clinics across New Jersey. You can reserve your spot to get a vaccine now by pre-registering here. We'll ask some questions to determine when you are eligible to receive a vaccination.

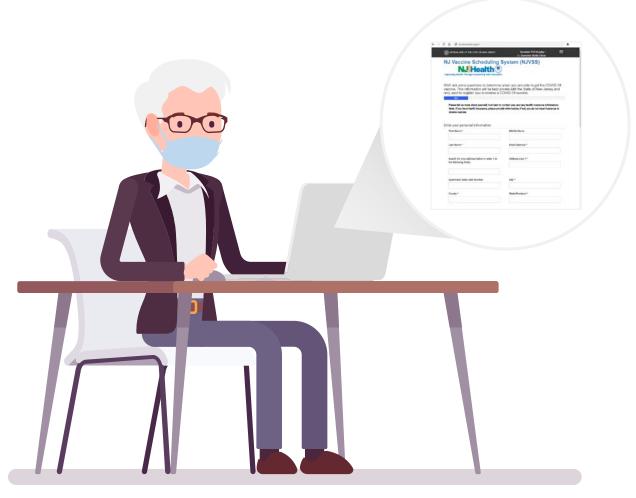
Filling out this form should take about 15 minutes, and the information you enter will be kept private with the State of New Jersey. Click below to reserve your spot.





What information is required when making an NJVSS appointment?

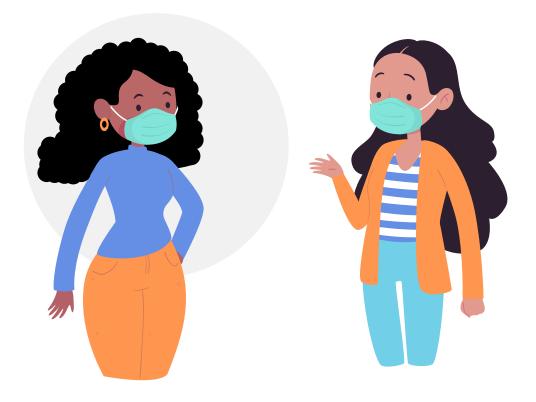
- Personal info (name, address, gender, race)
- Medical screening and Occupation info (to determine when you are able to get a vaccination; Which Phase you fit in)
- All data collected on the NJVSS is used for public health purposes only AND to ensure that same person returns for the 2nd dose of the same vaccine





Go tell someone...

- Why COVID-19 should be taken seriously
- COVID-19 can be prevented
- COVID-19 vaccine is effective and can prevent you from getting sick from COVID-19
- People over 16 who live, work or go to school in NJ can get the COVID-19 vaccine
- You can get the COVID-19 vaccine even if you don't have insurance
- The facts about COVID-19 vaccine







Caitlin O'Neill Director of Harm Reduction Services New Jersey Harm Reduction Coalition Jenna Mellor Executive Director New Jersey Harm Reduction Coalition

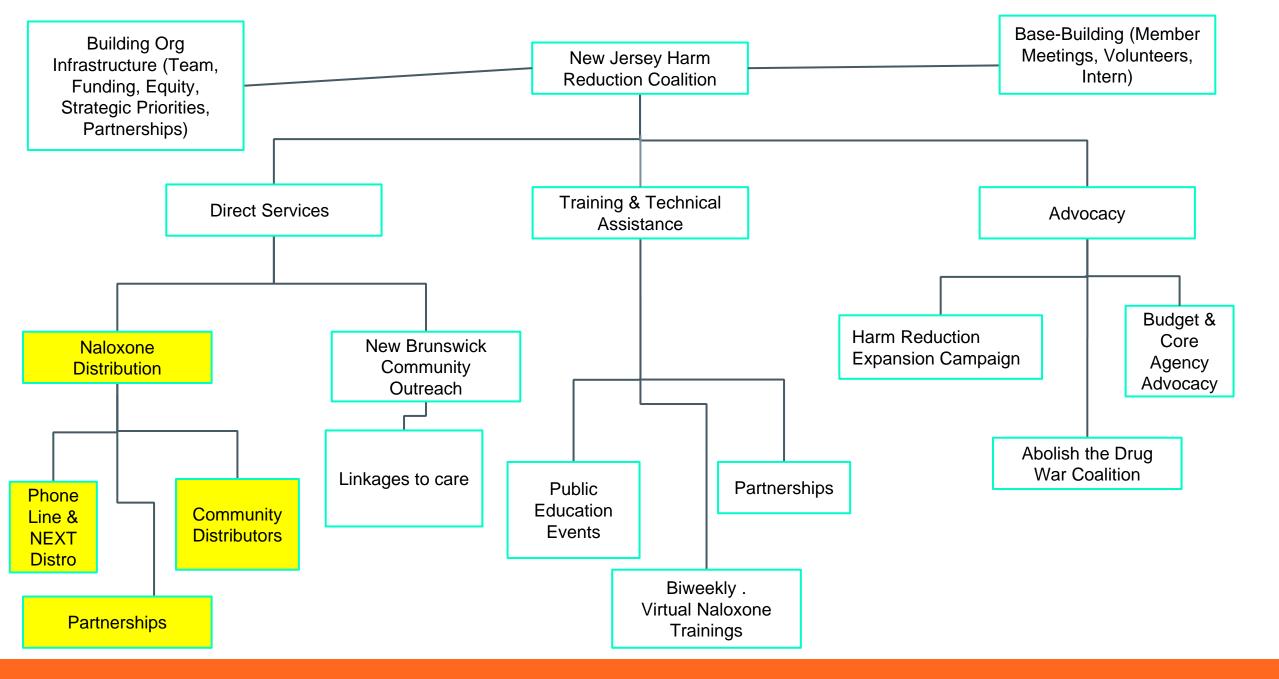


2020 Year in Review

What We Learned

- Overview of New Jersey Harm Reduction Coalition (NJHRC) & COVID response strategy
- Lesson 1: People face barriers to access for naloxone & safer use supplies.
- Lesson 2: People who use drugs save lives & reduce the spread of infection when we have supplies & support
- Lesson 3: Drug use is an issue of public health, not criminal justice





Overview of New Jersey Harm Reduction Coalition Activities

We meet people "where they're at" with supplies through partnerships, direct mailing, & community outreach.

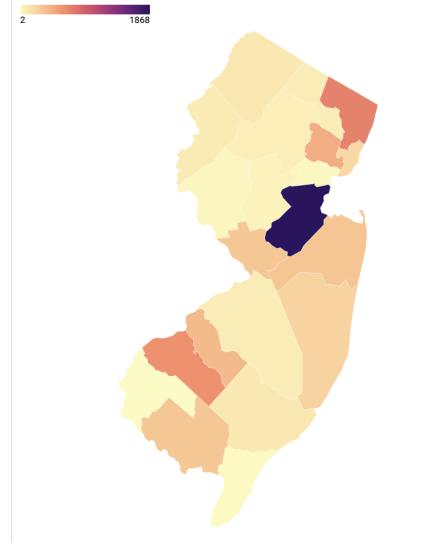


Photo Credit: Graham MacIndoe

All supplies are free, confidential, & as low barrier as possible.

- **6,343 naloxone doses** distributed between March December, 2020
- NEXT Distro state affiliate
- Low-barrier partnerships (with unlimited availability of all FDA-approved forms of naloxone) key to success
- Individual & community partnerships:
 - 10 community naloxone distributors in 8 counties (including 2 mutual aid groups)
 - 6 shelters / housing programs in 5 counties
 - 6 recovery programs in 5 counties
- New Brunswick community outreach partners who are rooted in—and invested in— their community

Naloxone Doses Distributed by County (March-December 2020)



Opinion

New Jersey needs every day to be Free Naloxone Day | Opinion

Posted Sep 22, 2020

Coronavirus

Why coronavirus is especially dangerous for drug users, and what's being done to help

Posted Apr 13, 2020



Source: New Jersey Harm Reduction Coalition & NEXT Distro • Get the data • Created with Datawrapper

What We're Seeing: Requests from all corners of the state & growing attention to the health and rights of people who use drugs

- "There aren't any community-based organizations close to me, or ones that I can get transportation to, as i don't have a car. I can't afford to pay for it at a pharmacy because I don't work so I don't have a source of income."
- "I have tried to get it at my pharmacy and they told me they could not give it to me, its only at certain times of year. All health care places that I can think of I'm unable to reach because of covid-19."
- "I am unaware of other specific places/agencies that offer more than one kit at a time."
- "No insurance or ID. Lost identification wallet."
- "Pharmacies in my area have been out of naloxone and tell me they don't have orders coming in. I've had a very hard time finding it."

Lesson 1: New Jerseyans face barriers to naloxone & safer use supplies



Photo Credit: Graham MacIndoe

- 50 overdose reversals reported
- Community leaders who keep supplies on hand and share information, support, and resources
- Identify & invest in the leadership of community residents with a race equity lens—overdose rates are growing fastest among Black and Latinx residents

Lesson 2: People who use drugs save lives & reduce the spread of infection when we have supplies & support

Practical & moral priorities:

- De-link support & community care for people who use drugs from criminal legal systems
- Invest in community care, harm reduction, & the leadership of people who use drugs
- Lift restrictive laws that make harm reduction unavailable in 98.8 percent of New Jersey's municipalities

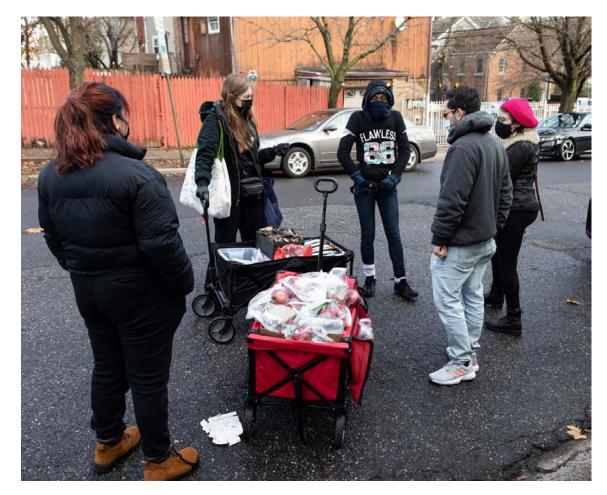


Photo Credit: Graham MacIndoe

Lesson 3: Drug use is an issue of public health, not criminal justice

Let's work together to expand harm reduction, prevent fatal overdoses, decriminalize public health, & get supplies to people who want them!

Spread the word! We mail naloxone, fentanyl test strips, & safer use supplies confidentially:

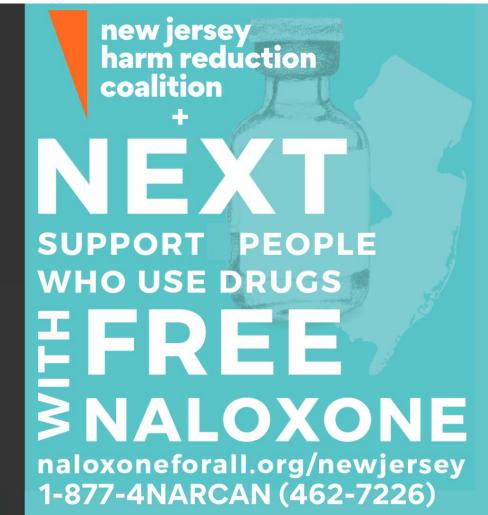
Email: hello@njharmreduction.org

Call or text: 1-877-4NARCAN

Visit: www.nextdistro.org/newjersey

Sign up to expand Harm Reduction in NJ: bit.ly/campaignforharmreduction

Sign up for NJHRC's Virtual Naloxone Training: bit.ly/dignityandatonomy





April 22, 2021 KnockOutDay.DrugFreeNJ.org/register

