

Nassau County Wastewater Surveillance Quarter 2 Report 4/1/25-6/30/25



Legend

Sewershed		
Atlantic Beach	Belgrave	Long Beach
Bay Park	Cedar Creek	Oyster Bay
Glen Cove	Great Neck	Port Washington

This report presents preliminary results, during this time period, intended to establish a baseline and provide context for future analysis and interpretation.

Summary of Activities

Meetings

During Q2, the Nassau County Department of Health held two internal wastewater meetings and two wastewater meetings with Stony Brook University Center for Clean Water Technology. Highlights of the meetings with Stony Brook University include:

- Discussion about wastewater sample shipment, timing and temperature
- Stony Brook University gave a presentation on pathogens

Correlation Analyses

During Q2, the Nassau County Department of Health explored drug metabolite correlations with potential outcomes such as hospital visits and motor vehicle crashes.

Dashboard

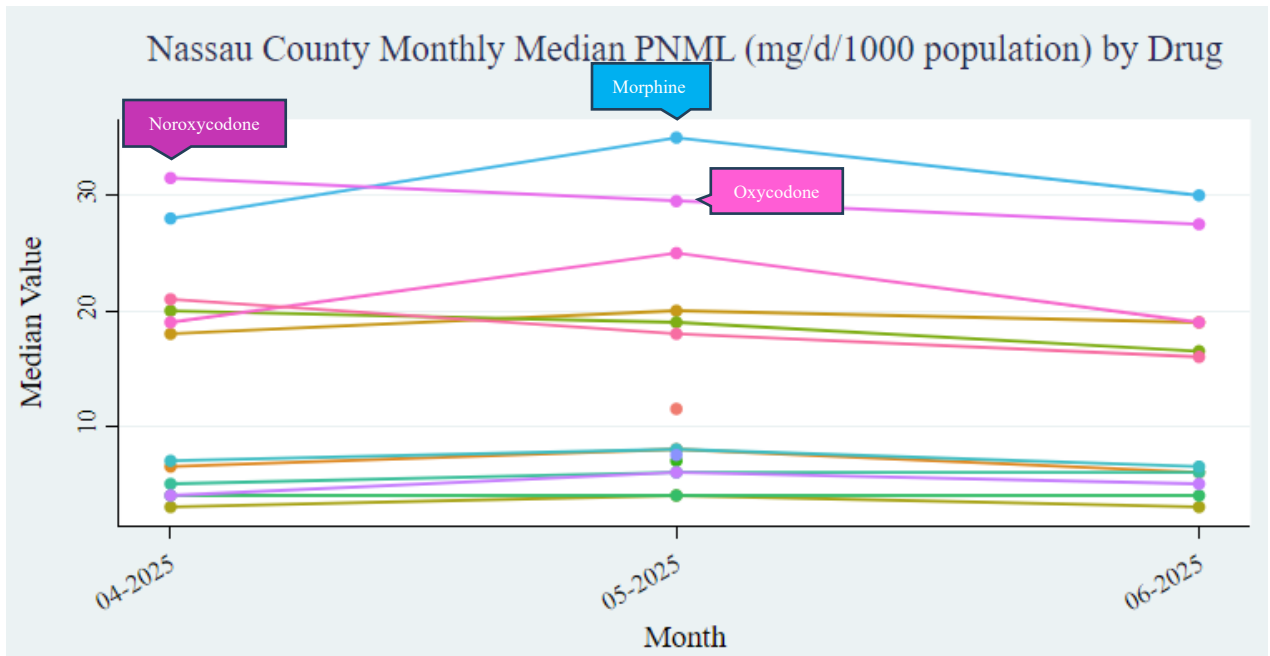
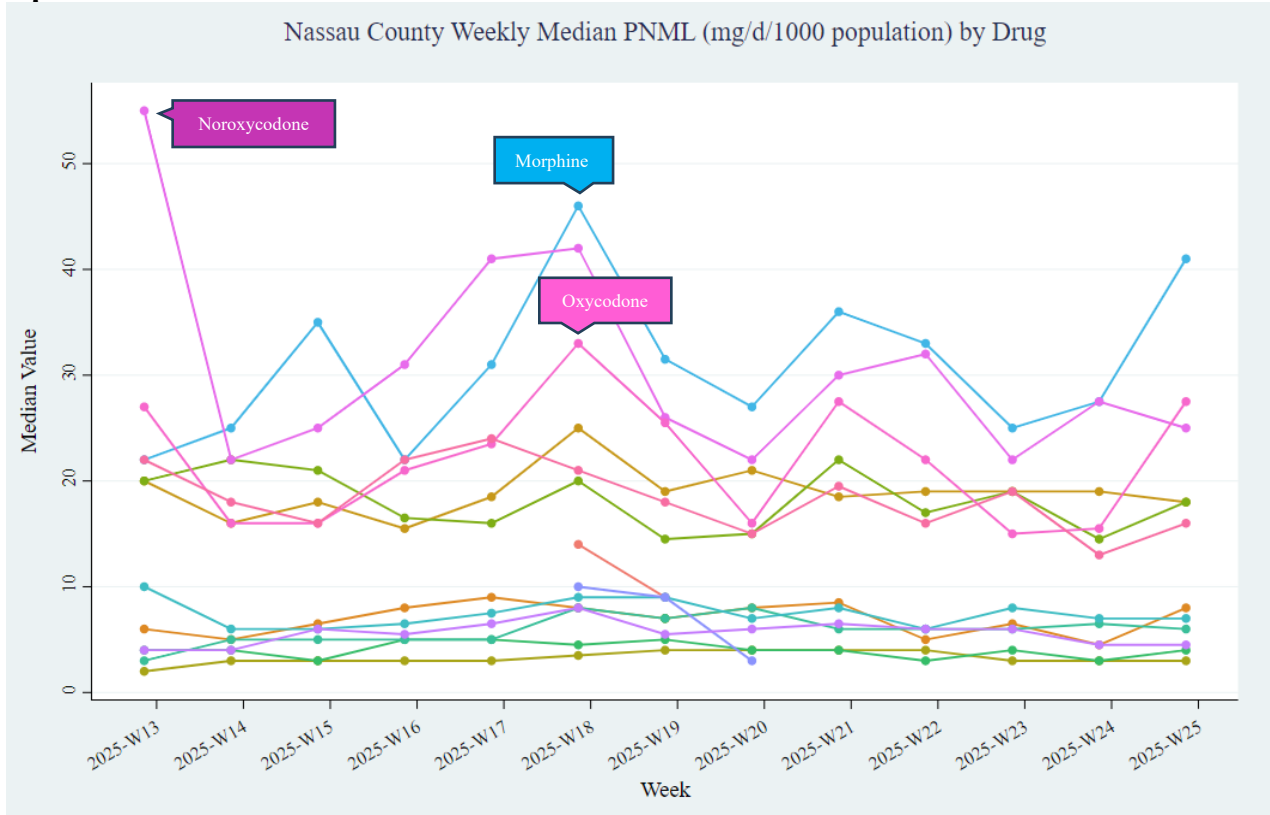
Nassau County is developing an internal dashboard for monitoring baseline values.

Publications

Abstract submissions and publications are pending which will describe initial laboratory and epidemiologic analyses.



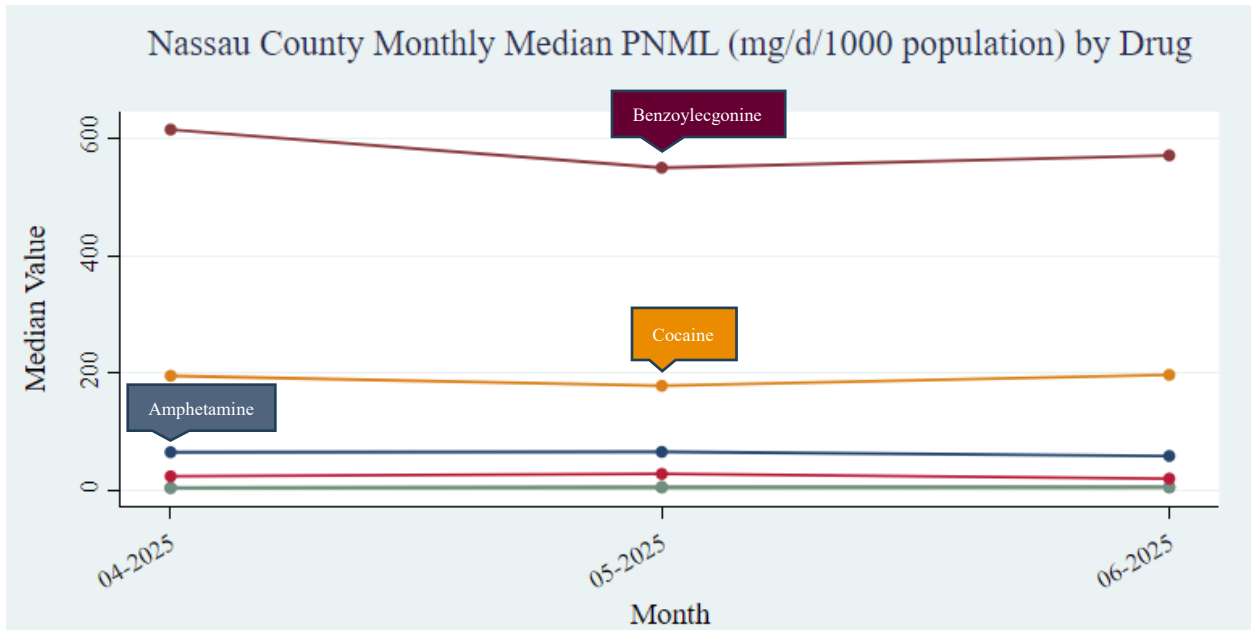
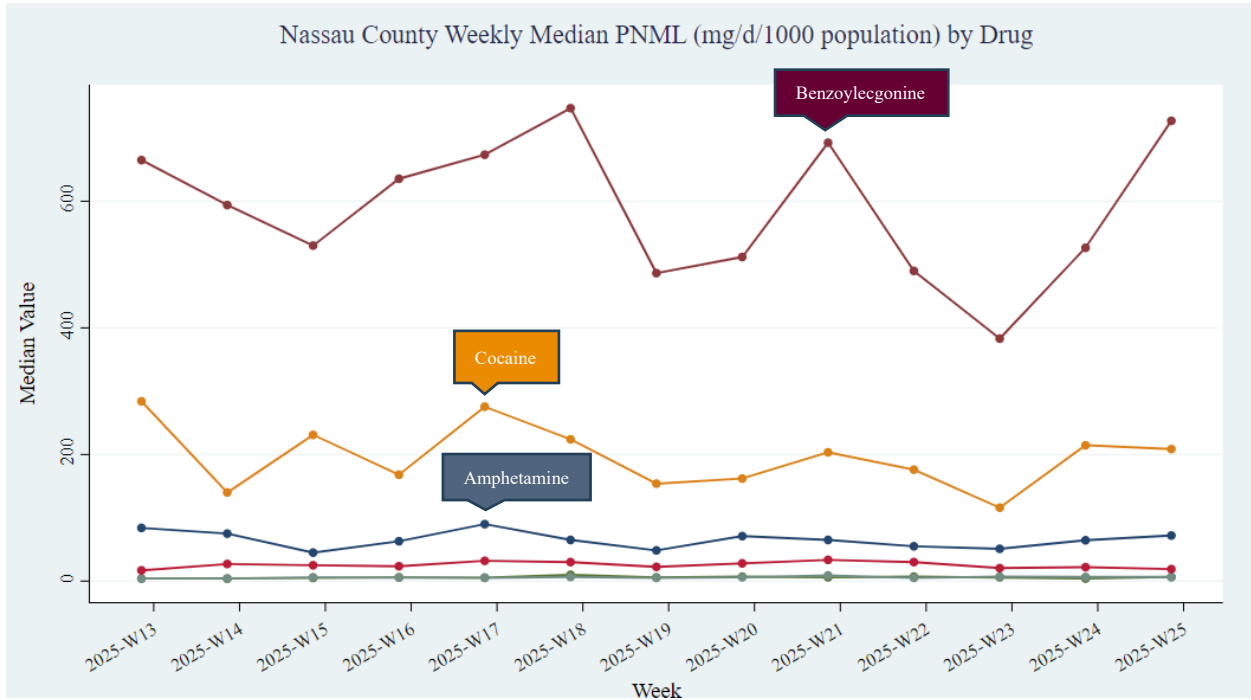
Wastewater Analysis Visualizations
Opioids:



- drug (6-Acetylmorphine,1) (Buprenorphine,1) (Codeine,1) (Dihydrocodeine,1) (EDDP,1) (Heroin,1)
 (Hydrocodone,1) (Hydromorphone,1) (Methadone,1) (Morphine,1) (Norbuprenorphine,1) (Norcodeine,1)
 (Norfentanyl,1) (Noroxycodone,1) (Oxycodone,1) (Oxymorphone,1)



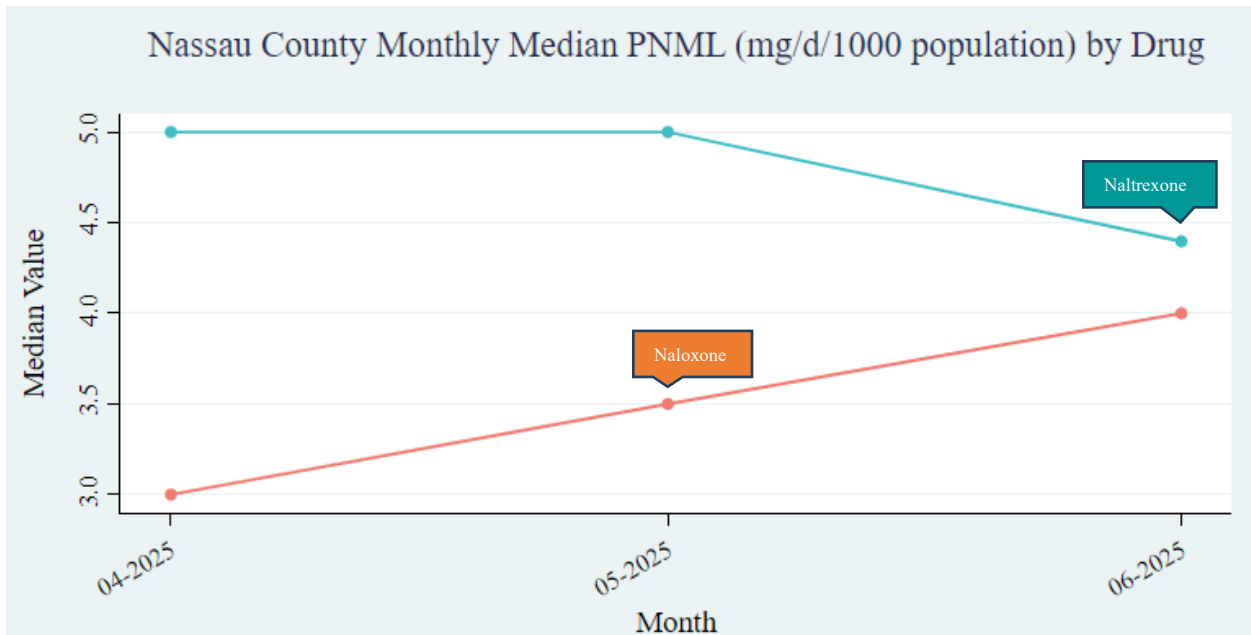
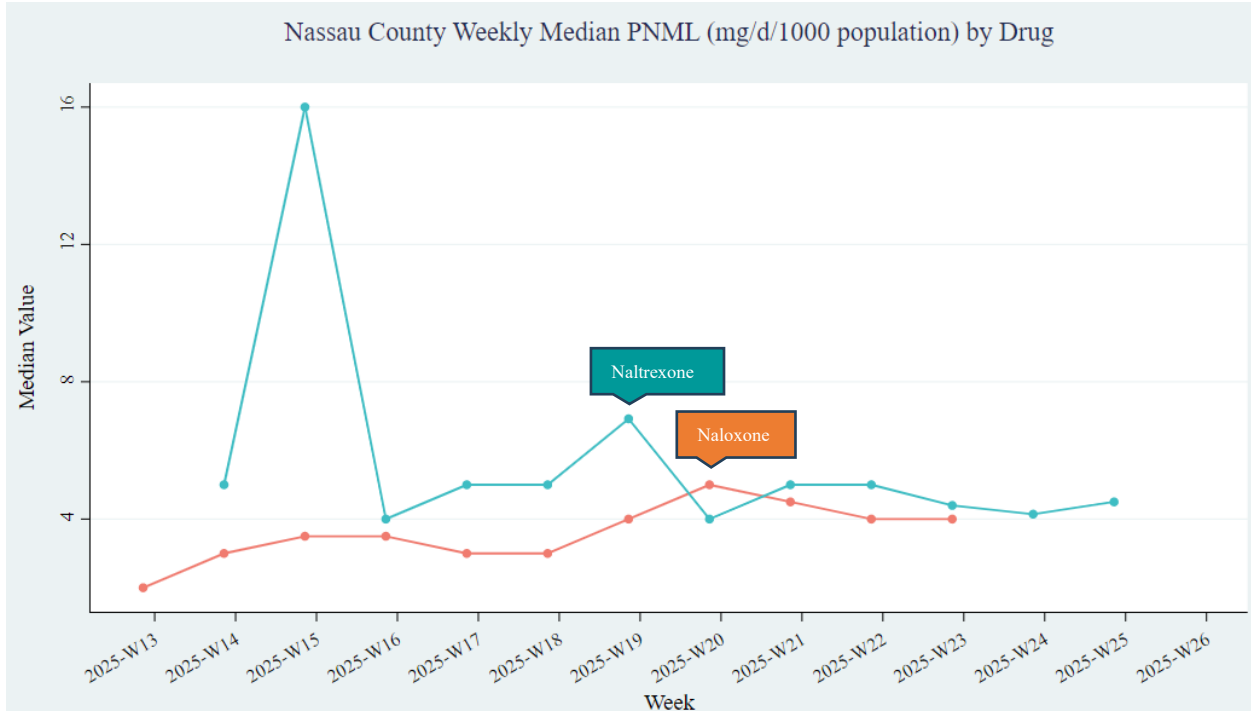
Stimulants:



drug — Amphetamine — Benzoyllecgonine — Cocaethylene — Cocaine — MDMA — Methamphetamine



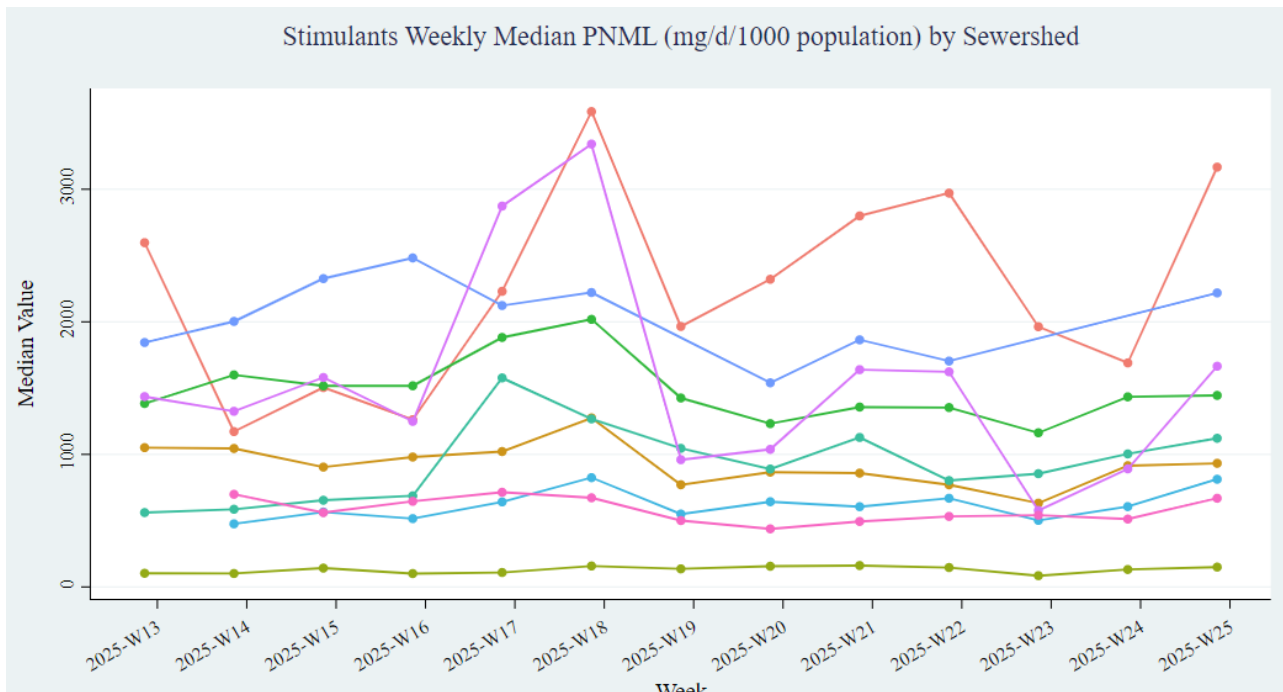
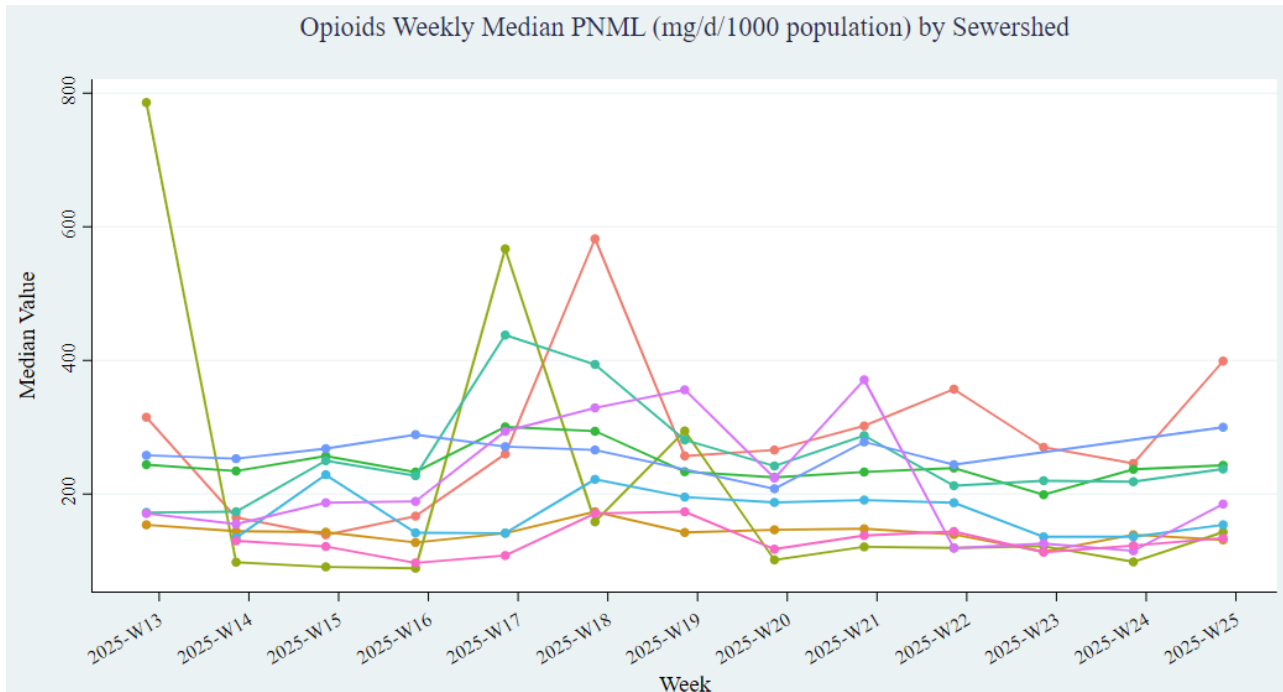
Opioid Antagonists:



drug —●— (Naloxone,1) —●— (Naltrexone,1)

By Sewershed

* PNML values of both parent drug and primary excreted metabolite are summed by class before weekly median is calculated to reflect total consumption.



sewershed (Atlantic Beach,1) (Bay Park,1) (Belgrave,1) (Cedar Creek,1) (Glen Cove,1) (Great Neck,1) (Long Beach,1) (Oyster Bay,1) (Port Washington,1)



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