Update on COVID-19 Infections Among Infants and Pregnant People in Maine

Andrea Lenartz, MPH
Maternal and Child Health Epidemiologist, Maine CDC

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COVID-19 Surveillance in Maine

- Positive COVID-19 test results reported to Maine's NEDSS Base System (NBS)
- Case investigations still occurring
  - Over 50 case investigators as of January 2023
  - About 4,500 cases (90% of total monthly cases) in December 2022 were investigated
  - Certain populations prioritized to receive an investigation: cases hospitalized, minorities, health care workers, those living in congregate settings, etc.

COVID-19 Surveillance in Infants

- Maine is **not** funded by CDC's Surveillance for Emerging Threats to Mothers and Babies Network (SET-NET) to conduct enhanced surveillance on pregnant people and infants
- Data on COVID-19 in infants largely from NBS
  - 92% of all infant cases have been investigated
  - 56 hospitalizations*

*Counts of hospitalized COVID-19 cases from NBS are likely an underestimation of the true number of hospitalized COVID-19 cases.

COVID-19 Surveillance in Infants

https://www.maine.gov/dhhs/mecdc/infectious-disease/epi/airborne/coronavirus/data.shtml

Tables of COVID-19 Testing Data, Hospital Use, and Case Demographics

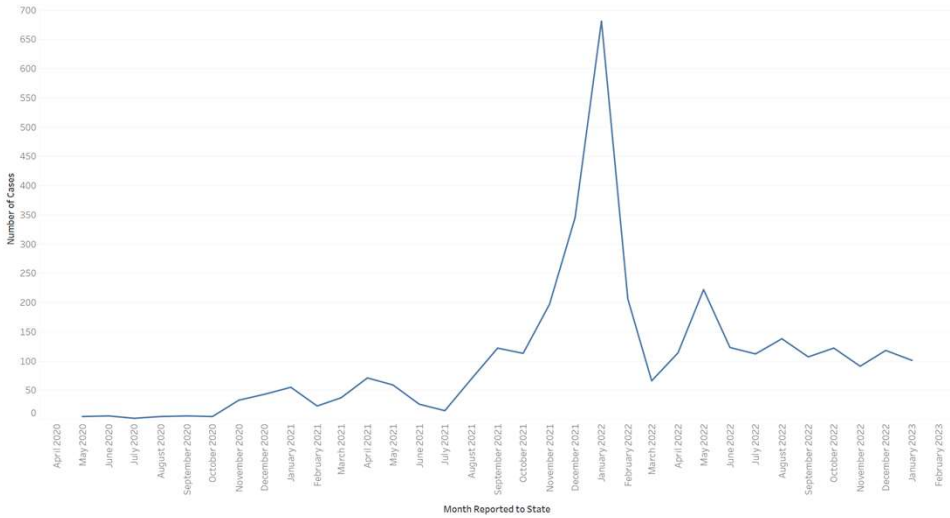
+ View Wastewater Testing Data
+ View a Table of All Reported COVID-19 Tests in Maine
+ View a Table of Maine COVID-19 Current Hospital Use and Capacity Data
+ View a Table of Cumulative COVID-19 Cases by Age
+ View a Table of Cumulative COVID-19 Cases by Race and Ethnicity
+ View a Table of Cumulative COVID-19 Cases by Sex
+ View Total Number of COVID-19 Vaccine Breakthrough Cases in Maine
+ View a Report of COVID-19 Genome Sequencing
− View Data About COVID-19 and Youth in Maine

Download a PDF of data about COVID-19 and Youth in Maine (PDF)

Maine CDC updates these data weekly.
Updated January 30, 2023 at 12:56 PM.

+ Read Details About the Data

Number of COVID-19 Cases in Infants <1 by Month, Maine, March 12, 2020 – January 22, 2023 (n=3,438)



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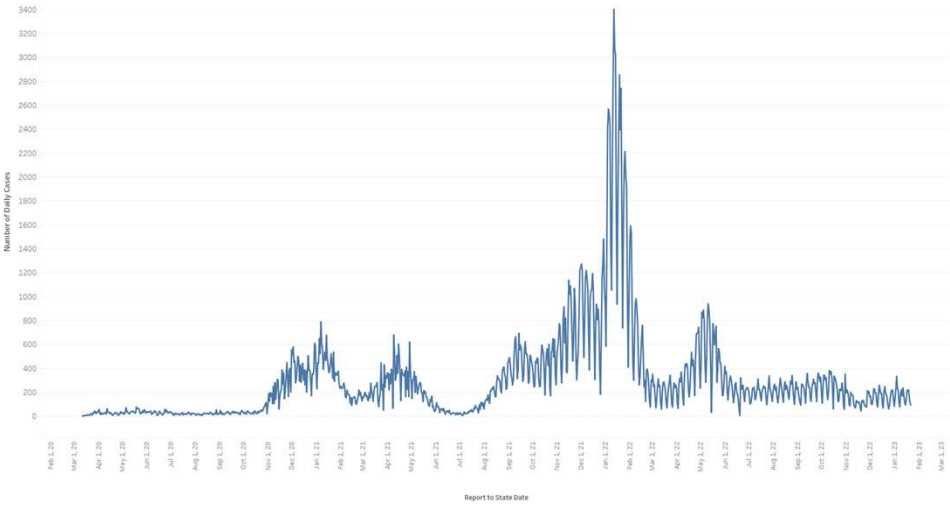
Daily Total Case Counts for COVID-19 Cases, Maine, March 12, 2020 – January 22, 2023 (n=311,146)



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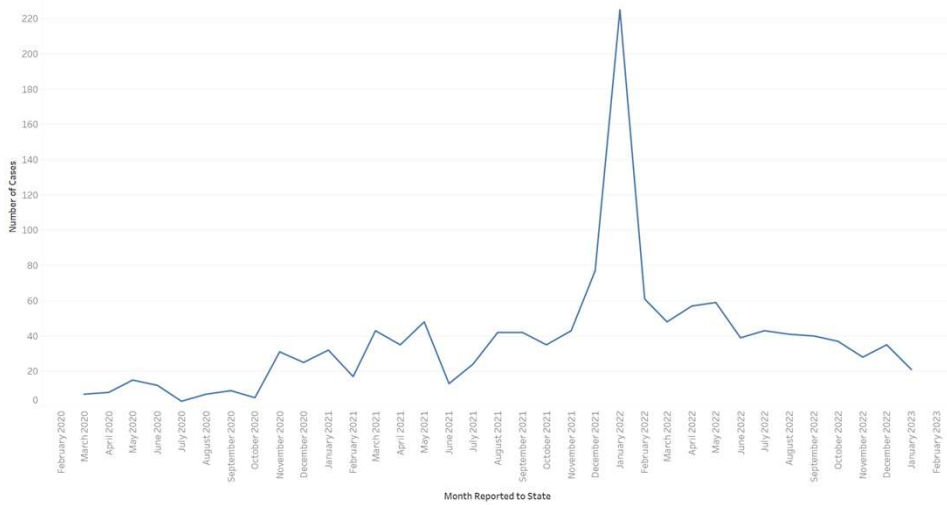
COVID-19 Surveillance in Pregnant People

- NBS
  - Pregnancy captured through:
    - Reporting by testing facilities and providers
    - Case investigations
- Birth certificates
  - COVID-19 captured through:
    - Providers' documentation on birth certificates
    - Regular retroactive documentation of COVID-19 on birth certificates by Maine's Vital Statistics Program using records of positive pregnant cases from NBS

Number of COVID-19 Cases in Pregnant People in NBS by Month, Maine, March 12, 2020 – January 22, 2023 (n=1,307*)



*Counts of pregnant COVID-19 cases from NBS are likely a large underestimation of the true number of pregnant COVID-19 cases.

COVID-19 Surveillance in Pregnant People

Year	# Records of COVID-19 during Pregnancy (NBS)	# Records of COVID-19 during Pregnancy (Birth Certificates)
2020	122	79
2021	451	637
2022	713	2,917*
Total	1,286	3,633

*2022 data from the birth certificate are provisional.

Linkage of COVID-19 Cases to Vital Statistics
AIM AND METHODS

- Linked birthing parent on birth and fetal death certificates to COVID-19 cases in NBS
- Linked dataset allowed for:
  - Evaluation of the effectiveness of NBS at capturing pregnancy status in COVID-19 cases
  - Assessment of the association between COVID-19 during pregnancy and birth outcomes

Linkage of COVID-19 Cases to Vital Statistics
RESULTS

- **Over half** of pregnant COVID cases were not correctly identified as pregnant in NBS.
- Insignificant association between COVID-19 during pregnancy and **preterm birth** in Maine.

  This is inconsistent with national studies.
- **Fetal mortality** rate in Maine for birthing people who had COVID during pregnancy was slightly higher than the rate for birthing people who did not have COVID during pregnancy.

Stay Up-to-Date

- Maine COVID-19 Data, Maine DHHS
- Pregnant and Recently Pregnant People, CDC
- Articles and Key Findings from SET-NET Data

Questions?

Andrea Lenartz, MPH
Maternal and Child Health Epidemiologist
Andrea.Lenartz@maine.gov

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