



Commonwealth Healthcare Corporation

Commonwealth of the Northern Mariana Islands



CNMI Weekly Syndromic Surveillance Report

EPI WEEK 17

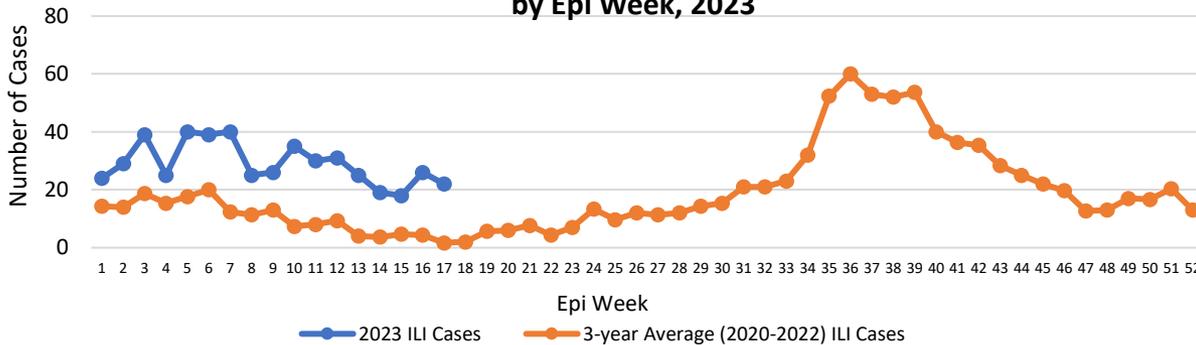
EPI WEEK DATE: April 23 - April 29, 2023

| Clinic | Influenza-Like-Illness (ILI) | | Diarrhea (DIA) | | Prolonged Fever (PF) | | Acute Fever and Rash (AFR) | | Total Encounters | |
|------------------------------|------------------------------|--------------|----------------|--------------|----------------------|--------------|----------------------------|--------------|------------------|--------------|
| | Last week | Current week | Last week | Current week | Last week | Current week | Last week | Current week | Last week | Current week |
| CHCC Family Care Clinic | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 410 | 379 |
| CHCC Women's Clinic | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 101 | 114 |
| CHCC Children's Clinic | 3 | 5 | 0 | 1 | 2 | 5 | 0 | 0 | 230 | 206 |
| CHCC Emergency Room | 19 | 15 | 9 | 6 | 7 | 8 | 0 | 0 | 402 | 444 |
| Kagman Isla Community Health | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 217 | 254 |
| Tinian Isla Community Health | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 38 | 56 |
| CHCC Tinian Health Center | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 114 | 92 |
| CHCC Rota Health Center | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 58 |
| | 26 | 22 | 13 | 7 | 11 | 14 | 0 | 0 | 1557 | 1603 |

KEY TAKEAWAYS

- **3% Increase** in **Total Encounters** from the last epi week to the current epi week.
- **50% Decrease** in **Diarrhea** cases were seen this epi week (#17) compared to the average of the previous 3 epi weeks (#16, 15, & 14).
- **56% Increase** in **Prolonged Fever** cases were seen this epi week (#17) compared to the average of the previous 3 epi weeks (#16, 15, & 14).
 - 1 Influenza case
 - 10 COVID-19 cases

Total Number of Influenza-like Illness (ILI) Cases Reported in the CNMI by Epi Week, 2023



ALERTS AND TRENDS

- ILI:** Decrease from previous week
- PF:** Increase from previous week
- AFR:** Stable from previous week
- DIA:** Decrease from previous week

| Syndromes | Epi Week | | | | % Change from current week to previous 3 weeks | COVID Hospitalizations | |
|------------------------|----------|----|----|----|--|--------------------------------|------------|
| | 17 | 16 | 15 | 14 | | Date Range | Totals |
| Acute Fever and Rash | 0 | 0 | 0 | 0 | Unstable | April 23 – April 29, 2023 | 0 |
| Prolonged fever | 14 | 11 | 7 | 9 | 56% | April 16 – April 22, 2023 | 2 |
| Influenza-like illness | 22 | 26 | 18 | 19 | 5% | 11/09/2021 – 04/29/2023 | 299 |
| Diarrhea | 7 | 13 | 14 | 15 | -50% | | |



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CNMI Weekly OD2A Surveillance Report

EPI WEEK 17 | EPI WEEK DATE: APRIL 23 – APRIL 29, 2023

WEEKLY CASE COUNTS

| POLYSUBSTANCE | | OPIOID | | | STIMULANT | | | BENZODIAZEPINE | | | OTHER SUBSTANCE |
|---------------|--------|----------|-----|--------|-----------|-----|--------|----------------|-----|--------|-----------------|
| OVERDOSE | MISUSE | OVERDOSE | OUD | MISUSE | OVERDOSE | SUD | MISUSE | OVERDOSE | BUD | MISUSE | OVERDOSE |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |

NOTE: The encounters have been monitored since 2020. Some individuals might be involved in multiple cases or flagged multiple times for the same type of encounter in a single EPI week. The OD2A Surveillance has expanded to include Stimulant and Polysubstance cases in 2021, Benzodiazepine cases in 2022. The Polysubstance cases are also counted under respective categories. Prior cases of any overdose related encounters might be duplicated under Other Substance Overdose category. Other Substance category analysis is solely depending on indications from the providers' notes. The substances reported are not verified by NDC number or DEA substance database.

OD2A SURVEILLANCE: NUMBER OF PATIENT/ENCOUNTER FLAGGED by EPI WEEK 2023



- FATAL OVERDOSE
- NON-FATAL OVERDOSE
- SUBSTANCE USE DISORDER or MISUSE

| CASE DEFINITION | |
|------------------------------------|--|
| OVERDOSE | Injury to the body (poisoning) that happens when a drug is taken in excessive amounts. An overdose can be fatal or nonfatal, accidental or intentional. |
| POLY-SUBSTANCE | The use of more than one drug, also known as polysubstance use, is common. This includes when two or more are taken together or within a short time period, either intentionally or unintentionally. Intentional polysubstance use occurs when a person takes a drug to increase or decrease the effects of a different drug or wants to experience the effects of the combination. Unintentional polysubstance use occurs when a person takes drugs that have been mixed or cut with other substances, like fentanyl, without their knowledge. Whether intentional or not, mixing drugs is never safe because the effects from combining drugs may be stronger and more unpredictable than one drug alone, and even deadly. *For OD2A Surveillance, Poly-Substance Use only includes encounters associated with Opioids, Stimulants, and/or Benzodiazepines. |
| MISUSE | The use of illegal drugs and/or the use of prescription drugs in a manner other than as directed by a doctor, such as use in greater amounts, more often, or longer than told to take a drug or using someone else's prescription. |
| OPIOID USE DISORDER | A problematic pattern of opioid, stimulant, or benzodiazepine uses that lead to serious impairment or distress. Diagnosing OUD/SUD/BUD requires a thorough evaluation, which may include obtaining the results of urine drug testing and prescription drug monitoring program (PDMP) reports, when OUD/SUD/BUD is suspected. A diagnosis is based on specific criteria such as unsuccessful efforts to cut down or control use, or use resulting in social problems and a failure to fulfill obligations at work, school, or home, among other criteria. |
| STIMULANT USE DISORDER | |
| BENZODIAZEPINE USE DISORDER | |
| SUSPECTED MISUSE | Any encounters that possibly leading to the above descriptions with such providers' comments as "requesting prescription refills (at emergency department)", "drug-seeking-behavior", and "frequent ER visitor for the same complaint for chronic pain and requesting 'stronger' medication". Also, cases where providers indicate there is possibility for misuse on the EHR system or when patients inform that they took Oxycodone (for example) and no PDMP data to support the patients' statement. |

SENTINEL SITES

Commonwealth Healthcare Corporation (CHCC)
 ER - Emergency Room, PCAP - Primary Care Access Point,
 CC - Children's Clinic, FCC - Family Care Clinic, WC - Women's Clinic,
 THC - Tinian Health Clinic, RHC - Rota Health Center

Private Clinic
 KICH - Kagman Isla Community Health,
 TICH - Tinian Isla Community Health

Overdose Data to Action Program
 Suite 305, Marina Heights II Bldg.
 P.O. Box 500409, Saipan, MP 96950
 TEL: (670) 322-0061 | Email: od2a@chcc.health



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CNMI Weekly Notifiable Disease Report

EPI WEEK 17

EPI WEEK DATE: April 23 - April 29, 2023

In the table below, weekly and year to date counts are displayed through epi week 17. Additionally, a 3-year weekly average of incident counts comparing the incident count for this time period to the average of the previous 3 years (2020-2022) is included as well as incident rates for conditions that have counts greater than 20. Rates cannot be calculated for counts less than 20 due to statistical unreliability.

| Condition | Epi Week 17 | 2023 YTD | 3-year weekly average incident counts | 2023 YTD Incident Rate* | 2022 Incident Rate* |
|-----------------------------|-------------|----------|---------------------------------------|-------------------------|---------------------|
| Enteric | | | | | |
| Campylobacter | 0 | 8 | 0 | 15.6 | 81.6 |
| Ciguatera fish poisoning | 0 | 0 | 0 | 0.0 | 7.8 |
| Salmonella | 0 | 8 | 0 | 15.6 | 44.7 |
| Environmental | | | | | |
| Elevated Blood Lead Levels | 0 | 1 | 0 | 1.9 | 9.7 |
| Sexually Transmitted | | | | | |
| Chlamydia | 1 | 77 | 4 | 150.1 | 423.5 |
| Gonorrhea | 1 | 14 | 0 | 27.3 | 33.0 |
| Syphilis | 0 | 1 | 0 | 1.9 | 5.8 |
| Respiratory | | | | | |
| COVID-19 | 10 | 486 | 10 | 947.5 | 19061.7 |
| Post-Vaccine | 7 | 365 | 2 | 711.6 | 12594.5 |
| Tuberculosis | | | | | |
| TB, Confirmed | 0 | 8 | 1 | 15.6 | 38.9 |
| TB, Under Investigation | 0 | 16 | 0.1 | 31.2 | 50.5 |

*Rate per 100,000; Data are preliminary and subject to change. CNMI population estimates were determined using 2021 & 2022 Census International Database (https://www.census.gov/data-tools/demo/idb/#/country?YR_ANIM=2021&COUNTRY_YR_ANIM=2021&FIPS_SINGLE=CQ)



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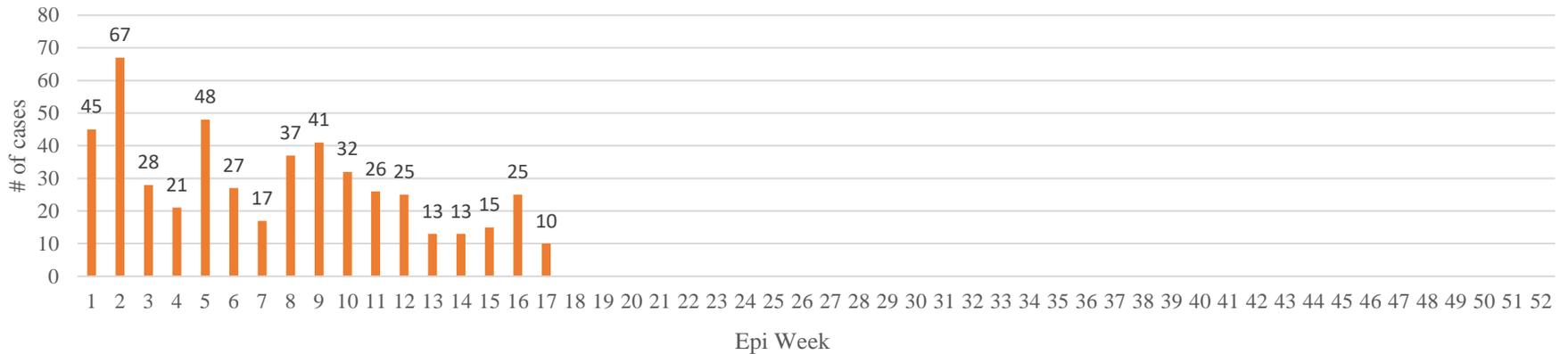
CNMI Weekly COVID-19 Surveillance Report

EPI WEEK 17

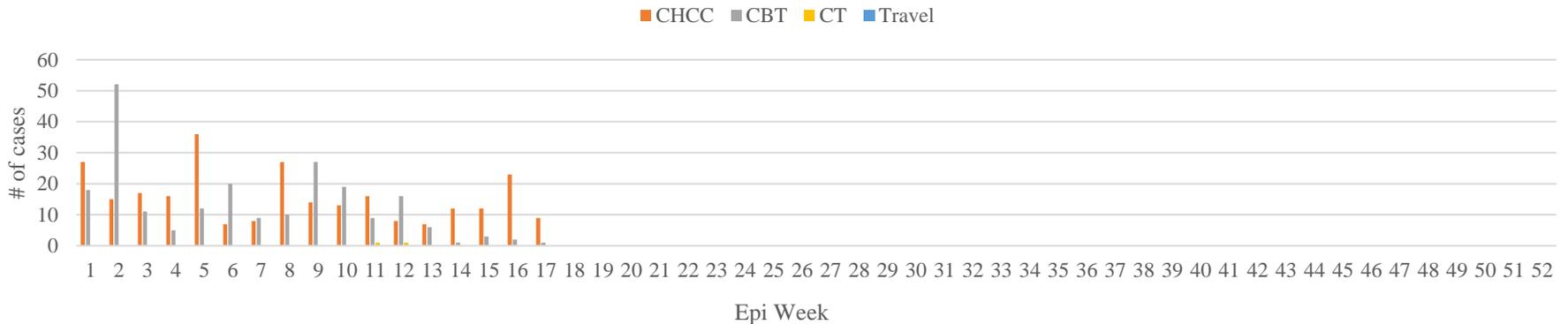
EPI WEEK DATE: April 23 - April 29, 2023

For additional COVID-19 data, please visit this link: <https://chcc.datadriven.health/ui/99/dashboard/cbaeede2-4f75-11eb-b380-0242ac1d004a>

Covid-19 Cases Reported, January 01, 2023 - April 29, 2023



Covid-19 Diagnoses Source, January 01, 2023 - April 29, 2023



For COVID-19 vaccination data, please visit this link: <https://www.vaccinatecnmi.com/vax-dashboard/>

*Data are preliminary and subject to change.



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CNMI Weekly Health & Vital Statistics Report

REPORTING PERIOD: EPI YEAR 2023 as of EPI WEEK 17

The statistics on births, deaths, and causes of deaths in this report are derived from birth and death registrations processed daily at the Health and Vital Statistics Office.

| <ul style="list-style-type: none"> • Number of births: <u>4(180)</u> • Average: <u>11(per week)</u> • Infections present and/or treated during pregnancy: <ul style="list-style-type: none"> ○ Chlamydia: 0(2) ○ Gonorrhea: 0(0) ○ Syphilis: 0(0) ○ Hepatitis B: 0(0) ○ Hepatitis C: 0(0) ○ COVID-19: 0(0) • Substance use during pregnancy: <ul style="list-style-type: none"> ○ Cigarette smoking: 0(3) ○ Betelnut chewing: 0(4) ○ Betelnut chewing + tobacco: 0(3) ○ Alcohol use: 0(0) ○ Drug use: 0(1) • Maternal risk factors in pregnancy: <ul style="list-style-type: none"> ○ Pre-pregnancy DM: 0(5) ○ Gestational DM: 0(22) ○ Pre-pregnancy HTN: 0(6) ○ Gestational HTN: 0(9) • Infant risk factors (Low survival births) <ul style="list-style-type: none"> ○ Birth weight < 1500 grams: 0(2) ○ Birth weight < 2500 grams: 0(16) ○ Gestation age < 37 weeks: 0(18) | <ul style="list-style-type: none"> • Number of deaths: <u>5(75)</u> • Average: <u>4(per week)</u> • Number of deaths who received COVID-19 vaccine: <table border="1"> <thead> <tr> <th>Age range:</th> <th>< 5</th> <th>≥ 5</th> <th>12-17</th> <th>18 & over</th> </tr> </thead> <tbody> <tr> <td>N° of death</td> <td>1(2)</td> <td>0(0)</td> <td>0(0)</td> <td>4(73)</td> </tr> <tr> <td>N° Vaccinated</td> <td>0(0)</td> <td>0(0)</td> <td>0(0)</td> <td>1(38)</td> </tr> <tr> <td>% Vaccinated</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>52%</td> </tr> </tbody> </table> • Mortality Surveillance: <u>5(75)</u> <ul style="list-style-type: none"> ○ Non-communicable diseases: 4(59) <ul style="list-style-type: none"> ▪ <i>Cancer related deaths</i> 1(17) ○ COVID-19 related deaths: 0(1) ○ <i>COVID-19 as other contributing conditions</i>¹: 0(1) ○ Fetal deaths²: 0(2) ○ Perinatal deaths³: 0(2) ○ Infant deaths: 1(2) ○ Neonatal deaths (< 28 days): 0(1) ○ Post neonatal deaths (aged 28 – 365 days): 0(0) ○ Children (aged 1 - 4 yrs) deaths: 0(0) ○ Maternal deaths: 0(0) ○ Suicide deaths, adolescent: 0(0) ○ Suicide deaths, adult: 0(2) ○ Traffic fatality deaths: 1(1) ○ Opioid deaths: 0(0) ○ Lead poisoning: 0(0) | Age range: | < 5 | ≥ 5 | 12-17 | 18 & over | N° of death | 1(2) | 0(0) | 0(0) | 4(73) | N° Vaccinated | 0(0) | 0(0) | 0(0) | 1(38) | % Vaccinated | 0% | 0% | 0% | 52% |
|---|--|------------|-------|-----------|-------|-----------|-------------|------|------|------|-------|---------------|------|------|------|-------|--------------|----|----|----|-----|
| Age range: | < 5 | ≥ 5 | 12-17 | 18 & over | | | | | | | | | | | | | | | | | |
| N° of death | 1(2) | 0(0) | 0(0) | 4(73) | | | | | | | | | | | | | | | | | |
| N° Vaccinated | 0(0) | 0(0) | 0(0) | 1(38) | | | | | | | | | | | | | | | | | |
| % Vaccinated | 0% | 0% | 0% | 52% | | | | | | | | | | | | | | | | | |

Data source: Electronic Vital Registration System (EVRS)



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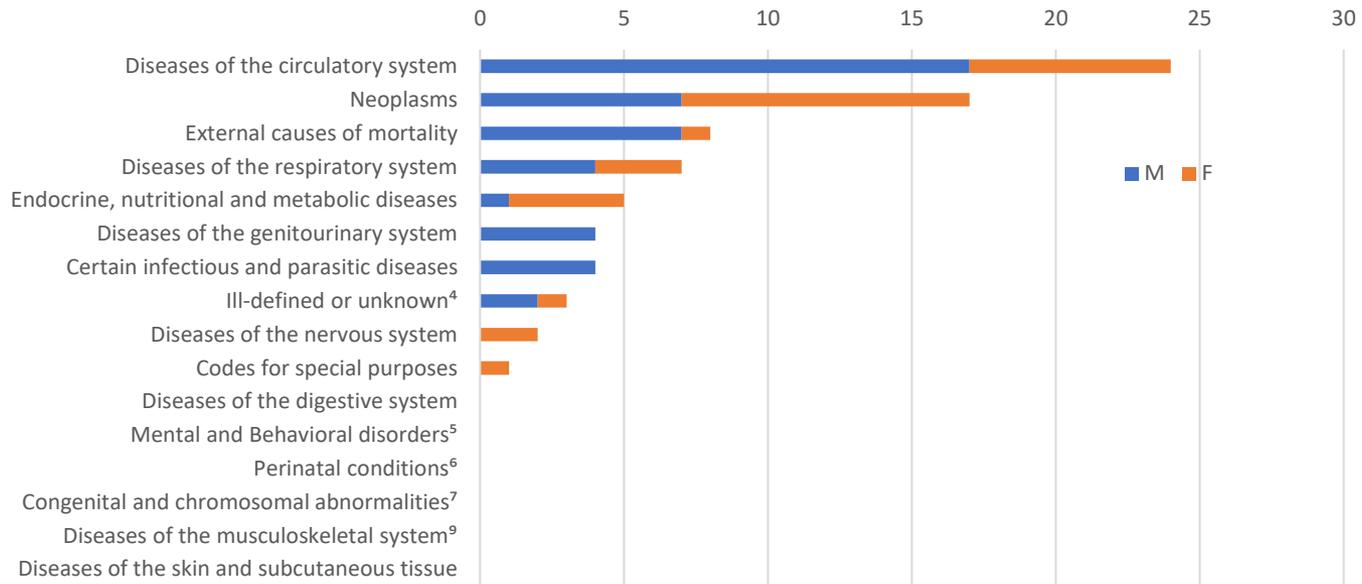


CNMI Weekly Health & Vital Statistics Report

REPORTING PERIOD: EPI YEAR 2023 as of EPI WEEK 17

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Disease-specific causes of death by sex, January 1 - April 29, 2023



⁴ Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified; ⁵ Mental, Behavioral and Neurodevelopmental disorders; ⁶ Congenital malformations, deformations and chromosomal abnormalities; ⁷ Injury, poisoning and certain other consequences of external causes; ⁸ Diseases of the musculoskeletal system and connective tissue.

Vital events reported, January 1 - April 29, 2023

