



# Commonwealth Healthcare Corporation

Commonwealth of the Northern Mariana Islands



## CNMI Weekly Syndromic Surveillance Report

EPI WEEK 52

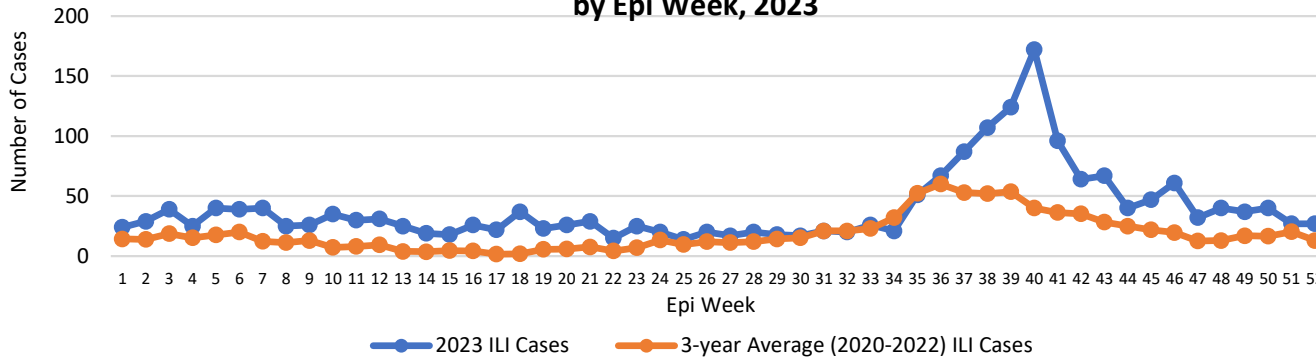
EPI WEEK DATE: December 24, – December 30, 2023

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	0	2	0	1	4	0	0	0	328	188
CHCC Women's Clinic	0	0	0	0	0	0	0	0	18	6
CHCC Children's Clinic	10	4	1	1	8	7	0	0	180	143
CHCC Emergency Room	13	16	7	9	5	9	0	0	431	465
Kagman Isla Community Health	0	0	0	0	0	0	0	0	140	115
Tinian Isla Community Health	0	0	0	0	0	0	0	0	41	25
Southern Isla Community Health	0	0	0	0	0	0	0	0	56	0
CHCC Tinian Health Center	4	4	0	6	2	1	0	0	92	82
CHCC Rota Health Center	0	1	0	0	3	1	0	0	32	47
	27	27	8	17	22	18	0	0	1318	1071

### KEY TAKEAWAYS

- **19% Decrease in Total Encounters** from the last Epi Week to the current Epi Week.
- **22% Decrease in Influenza Like Illness cases** were seen this Epi Week (#52) compared to the average of the previous 3 Epi Weeks (#51, 50, & 49).
- **25% Decrease in Prolonged Fever cases** were seen this Epi Week (#52) compared to the average of the previous 3 Epi Weeks (#51, 50, & 49).
  - 11 Influenza cases: 8 Flu A / 3 Flu B
  - 1 COVID-19 case

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



### ALERTS AND TRENDS

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

Syndromes	Epi Week				% Change from current week to previous 3 weeks	COVID Hospitalizations	
	52	51	50	49		Date Range	Totals
Acute Fever and Rash	0	0	0	0	0%	December 24, – December 30, 2023	0
Prolonged fever	18	22	30	20	-25%	December 17, – December 23, 2023	0
Influenza-like illness	27	27	40	37	-22%	12/24/2021 – 12/30/2023	315
Diarrhea	17	8	6	5	168%		



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### CNMI Weekly Prescription Drug Monitoring Program (PDMP) Report

EPI WEEK 52 | EPI WEEK DATE: DECEMBER 24 - DECEMBER 30, 2023

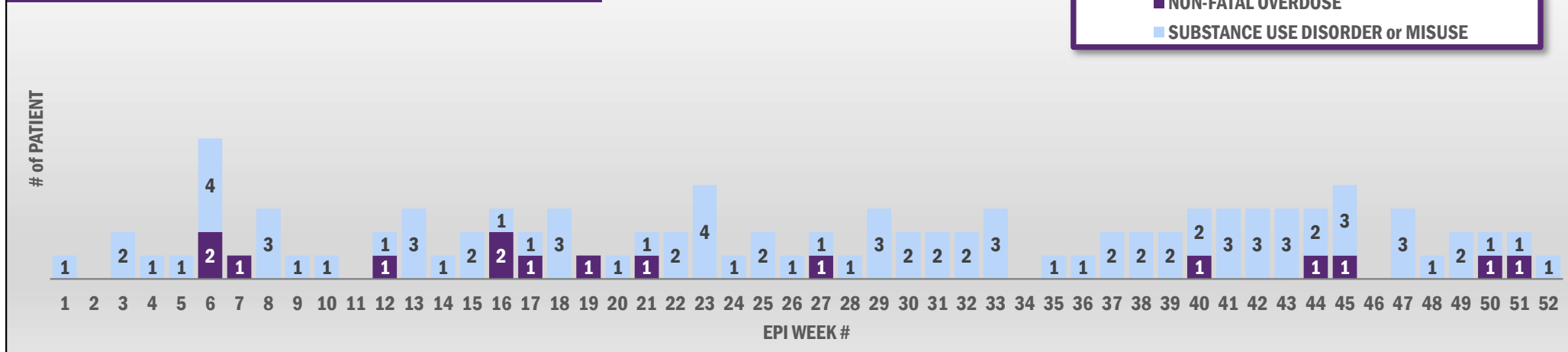
#### WEEKLY CASE COUNTS

POLYSUBSTANCE		OPIOID			STIMULANT			BENZODIAZEPINE			OTHER SUBSTANCE
OVERDOSE	MISUSE	OVERDOSE	ODU	MISUSE	OVERDOSE	StUD	MISUSE	OVERDOSE	BUD	MISUSE	OVERDOSE
0	1	0	0	0	0	0	1	0	0	0	0

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 overdose 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.

#### PDMP IDENTIFIED CASES: 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 overdose 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,**  
**SICH - Southern Isla Community Health,**



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### CNMI Weekly Notifiable Disease Report

**EPI WEEK 52**

**EPI WEEK DATE:** December 24, – December 30, 2023

In the table below, weekly and year to date counts are displayed through Epi Week 52. 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 52	2023 YTD	3-year weekly average counts	2023 YTD Incidence Rates*	2022 Incidence Rates*
<b>Enteric</b>					
Campylobacter	0	30	7	58.5	81.6
Ciguatera fish poisoning	0	2	4	3.9	7.8
Salmonella	0	30	5	58.5	44.7
<b>Environmental</b>					
Elevated Blood Lead Levels	0	4	2	7.8	9.7
<b>Sexually Transmitted</b>					
Chlamydia	4	229	64	446.4	423.5
Gonorrhea	0	37	4	72.1	33.0
Syphilis	0	2	1	3.9	5.8
<b>Respiratory</b>					
COVID-19	1	976	1347	1902.7	19061.7
Post-Vaccine	1	721	875	1405.6	12594.5
<b>Tuberculosis</b>					
TB, Confirmed	0	14	9	27.3	44.7
TB, Under Investigation	1	31	4.9	60.4	54.4

\*Rate per 100,000; Data are preliminary and subject to change. CNMI population estimates were determined using 2022 & 2023 Census International Database ([https://www.census.gov/data-tools/demo/idb/#/country?YR\\_ANIM=2021&COUNTRY\\_YR\\_ANIM=2021&FIPS\\_SINGLE=CQ](https://www.census.gov/data-tools/demo/idb/#/country?YR_ANIM=2021&COUNTRY_YR_ANIM=2021&FIPS_SINGLE=CQ))



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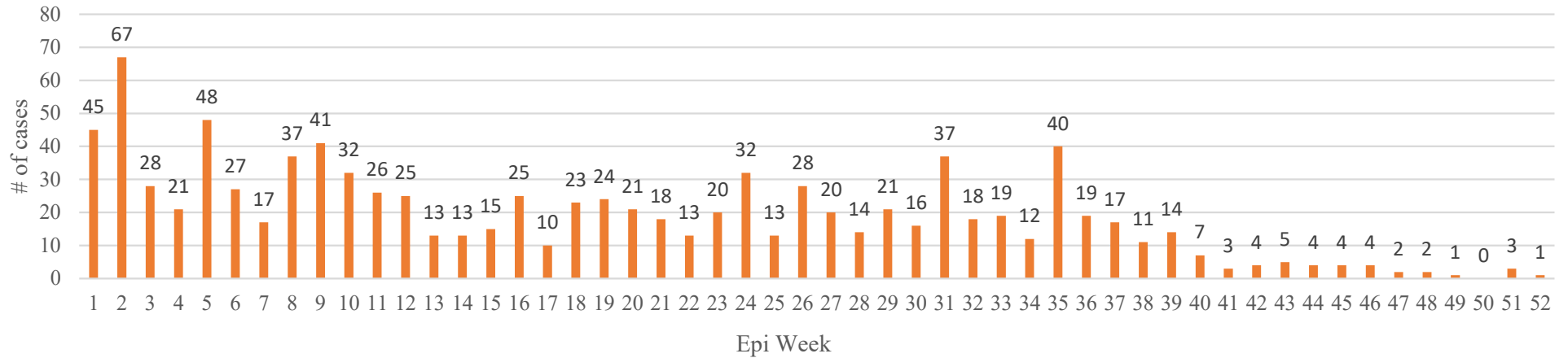
## CNMI Weekly COVID-19 Surveillance Report

EPI WEEK 52

EPI WEEK DATE: December 24, - December 30, 2023

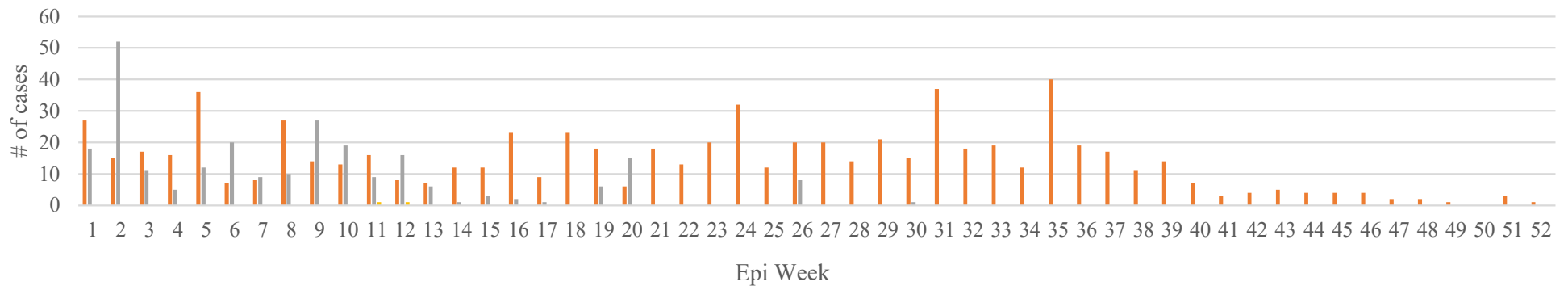
For additional COVID-19 data, please visit this link: <https://chcc.datadriven.health/ui/99/dashboard/cbaeede2-4f75-11eb-b380-0242ac1d004a>

### Covid-19 Cases Reported, January 01, 2023 – December 30, 2023



### Covid-19 Diagnoses Source, January 01, 2023 – December 30, 2023

CHCC CBT CT Travel



\*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 52

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"> <li>• <b>Number of births:</b> 7(579)</li> <li>• <b>Average:</b> 11(per week)</li> <li>• <b>Infections present and/or treated during pregnancy:</b> <ul style="list-style-type: none"> <li>○ Chlamydia: 0(9)</li> <li>○ Gonorrhea: 0(2)</li> <li>○ Syphilis: 0(0)</li> <li>○ Hepatitis B: 0(4)</li> <li>○ Hepatitis C: 0(1)</li> <li>○ COVID-19: 0(0)</li> </ul> </li> <li>• <b>Substance use during pregnancy:</b> <ul style="list-style-type: none"> <li>○ Cigarette smoking: 1(19)</li> <li>○ Betelnut chewing: 1(69)</li> <li>○ Betelnut chewing + tobacco: 1(59)</li> <li>○ Alcohol use: 1(21)</li> <li>○ Drug use: (Cannabis, Crystal meth- Ice, Opioid, Others, etc.) 1(19)</li> <li>○ E-Cigarette use: 2(3)               <ul style="list-style-type: none"> <li>○ 3 months before pregnancy 0(1)</li> <li>○ During pregnancy 2(2)</li> </ul> </li> </ul> </li> <li>• <b>Maternal risk factors in pregnancy:</b> <ul style="list-style-type: none"> <li>○ Pre-pregnancy DM: 0(19)</li> <li>○ Gestational DM: 1(65)</li> <li>○ Pre-pregnancy HTN: 0(22)</li> <li>○ Gestational HTN: 0(31)</li> </ul> </li> <li>• <b>Infant risk factors (Low survival births)</b> <ul style="list-style-type: none"> <li>○ Birth weight &lt; 1500 grams: 0(7)</li> <li>○ Birth weight &lt; 2500 grams: 0(54)</li> <li>○ Gestation age &lt; 37 weeks: 0(59)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Number of deaths:</b> 4(231)</li> <li>• <b>Average:</b> 4(per week)</li> <li>• <b>Number of deaths who received COVID-19 vaccine:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Age range:</th> <th style="text-align: center;">&lt; 5</th> <th style="text-align: center;">≥ 5</th> <th style="text-align: center;">12-17</th> <th style="text-align: center;">18 &amp; over</th> </tr> </thead> <tbody> <tr> <td>N<sup>o</sup> of death</td> <td style="text-align: center;">0(10)</td> <td style="text-align: center;">0(1)</td> <td style="text-align: center;">0(0)</td> <td style="text-align: center;">4(220)</td> </tr> <tr> <td>N<sup>o</sup> Vaccinated</td> <td style="text-align: center;">0(2)</td> <td style="text-align: center;">0(1)</td> <td style="text-align: center;">0(0)</td> <td style="text-align: center;">3(182)</td> </tr> <tr> <td>% Vaccinated</td> <td style="text-align: center;">20%</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">0%</td> <td style="text-align: center;">83%</td> </tr> </tbody> </table> </li> <li>• <b>Mortality Surveillance:</b> 4(231)           <ul style="list-style-type: none"> <li>○ Non-communicable diseases: 3(184)               <ul style="list-style-type: none"> <li>○ Cancer related deaths 1(54)</li> <li>○ Tobacco related deaths 0(22)</li> </ul> </li> <li>○ COVID-19 related deaths: 0(2)               <ul style="list-style-type: none"> <li>○ COVID-19 other contributing conditions<sup>1</sup> 0(4)</li> </ul> </li> <li>○ Fetal Deaths<sup>2</sup>: 0(4)</li> <li>○ Infant Deaths: 0(8)</li> <li>○ Children (aged 1 - 4 years) Deaths: 0(2)</li> <li>○ Maternal Deaths: 0(0)</li> <li>○ Accident or Injury Related Deaths<sup>3</sup>: 0(7)               <ul style="list-style-type: none"> <li>○ Drowning: 0(1)</li> <li>○ Suicide: 0(4)</li> <li>○ Traffic fatality: 0(2)</li> <li>○ Drug and/or opioid overdose: 0(1)</li> <li>○ Poisoning: 0(0)</li> </ul> </li> </ul> </li> </ul>	Age range:	< 5	≥ 5	12-17	18 & over	N <sup>o</sup> of death	0(10)	0(1)	0(0)	4(220)	N <sup>o</sup> Vaccinated	0(2)	0(1)	0(0)	3(182)	% Vaccinated	20%	100%	0%	83%
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<sup>1</sup> Other significant condition contributing to death but NOT resulting in the underlying cause. <sup>2</sup> Fetal deaths = Fetus weighed ≥ 350 grams, or fetal demise > 20 weeks of completed gestation.

<sup>3</sup> Accident or Injury related deaths = Manner of death beyond Natural Causes: accidental deaths (traffic and drowning), suicide, drug overdose, and poisoning.



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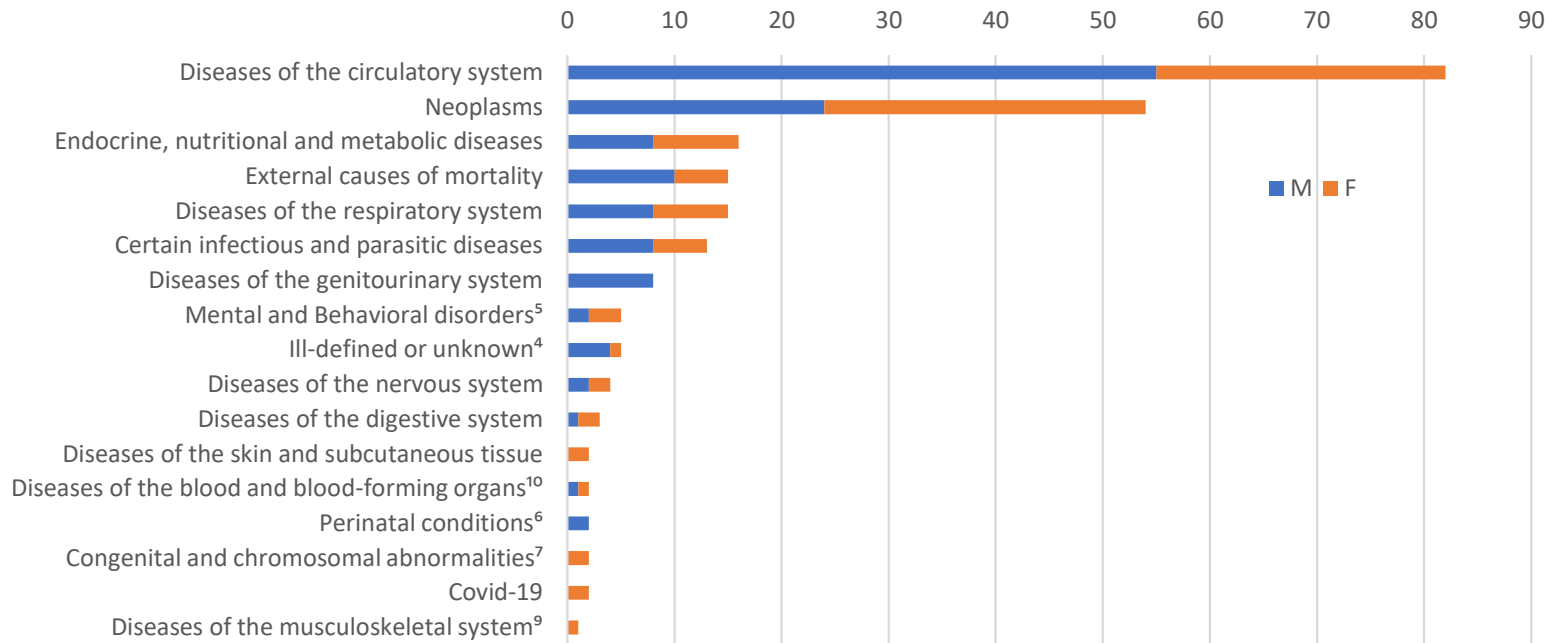


### CNMI Weekly Health & Vital Statistics Report

REPORTING PERIOD: EPI YEAR 2023 as of EPI WEEK 52

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Disease-specific causes of death by sex, January 1 - December 30, 2023



<sup>4</sup>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified; <sup>5</sup> Mental, Behavioral and Neurodevelopmental disorders; <sup>6</sup>Certain conditions originating in the perinatal period; <sup>7</sup>Congenital malformations, deformations and chromosomal abnormalities; <sup>8</sup>Injury, poisoning and certain other consequences of external causes; <sup>9</sup>Diseases of the musculoskeletal system and connective tissue, <sup>10</sup>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism

### Vital events reported, January 1 - December 30, 2023

