Completed by: Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Agency \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2022-2023 Epi Work Plan: Enhanced Analysis**

**Task 1: Timeliness of Data**

Using the MDSS Administrative Reports function under the Administration Tab, complete the table below for your local health jurisdiction with data from the past cycle **(7/1/2022 to 6/30/2023)** and answer the questions below.*Note: Only MDSS Administrators have access to administrative reports.*

|  |  |  |
| --- | --- | --- |
| **Disease Group** | **Median Days from Referral to Completion** | **Maximum Days from Referral to Completion** |
| Foodborne |  |  |
| STD |  |  |
| Viral Hepatitis |  |  |

1. Using the median days column, were cases generally completed on time, according to your local health jurisdiction’s policies? Please explain.
2. Has your jurisdiction reviewed timeliness of case completion for quality improvement purposes? YES NO

**Task 2: Completeness of Data**

Use the New Search function in the Case Investigation Tab to export data and answer the questions below.

**Search Criteria:**

Tip: Use the Ctrl button on your keyboard to multi-select

Case Status: Confirmed **and** Probable

Investigation Status: Completed **and** Completed – Follow Up

Reportable Conditions: *Campylobacter* **and** Salmonellosis

Referral Date: 07/01/2022 to 06/30/2023

Geographic Criteria: Your Local Health Jurisdiction

Click Search and then click Export (standard export without labs) to open in Excel



*For guidance on sorting excel data, refer to supplemental guidance document or contact your regional epidemiologist.*

1. Total number of cases in your jurisdiction? \_\_\_\_\_\_\_\_\_\_
2. How many cases were missing onset date? \_\_\_\_\_\_\_\_\_\_
3. How many cases were missing worksites/school information? \_\_\_\_\_\_\_\_\_\_
4. How many cases had ‘unknown’ race? \_\_\_\_\_\_\_\_\_\_
5. How many cases had ‘unknown’ ethnicity? \_\_\_\_\_\_\_\_\_\_

**Task 3: Disease Trends**

Use the Disease Trends Report under the Reports Tab to create a chart showing recent COVID-19 trends. Describe the trend below. Submit your chart along with this document.

**Report Settings:**

Reportable Condition: Novel Coronavirus COVID-19

Case Status: Confirmed **and** Probable

Investigation Status: Active, Completed, Completed-Follow Up, New, **and** Review

Time Period: 10 weeks prior to **6/30/2023**

Geographic Area: Your Local Health Jurisdiction

Demographics: all ages, all genders, all races (leave all unselected)

Describe COVID-19 trends over the past 10 weeks:

**Task 4: GIS MAP of Diseases**

Use the GIS Map of Diseases by Geography Report under the Reports Tab to create a map of vectorborne diseases using the parameters below. Answer the question below. Submit your map along with this document.

**Report Settings:**

Map Type: Cases Per 100,000

Time Period: 07/01/2022 to 06/30/2023

Time Period Based On: onset date if available, otherwise referral date *(default setting)*

Case Status: Confirmed **and** Probable

Investigation Status: Completed

Disease Group: Vectorborne

Geographic Breakdown: Local Health Jurisdiction

How does the rate of vectorborne diseases in your jurisdiction compare other jurisdictions in the state?

**Task 5: Diseases by Age Group**

Use Report 2: Diseases by Demographics under the Reports Tab to complete the table and answer the questions below for **Sexually Transmitted Diseases (STD).**

**Report Settings:**

Leave Aggregate and Individual boxes unchecked *(default)*

Table Type: Counts

Time Period – From Date: 07/01/2012, To Date: 06/30/2013

Time Period Based On: Onset date if available, otherwise referral date *(default)*

Case Status: Confirmed **and** Probable

Investigation Status: Completed **and** Completed - Follow Up

Geographic Area: Your jurisdiction

MDOC option: Exclude MDOC cases (*default)*

Demographic Variable 1: Age Group

Demographic Variable 2: None

Choose ‘View CSV Report’

Run the report again using the same criteria but change the Time Period to the current cycle – Time Period: **07/01/2022 to 06/30/2023**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age Group** | | <1 yr | 1-4 yrs | 5-9 yrs | 10-14 yrs | 15-19 yrs | 20-24 yrs | 25-29 yrs | 30-34 yrs | 35-39 yrs | 40-44 yrs | 45-49 yrs | 50-54 yrs | 55-59 yrs | 60-64 yrs | 65-69 yrs | >70 yrs | Unknown | Total |
| **STD**  **2013** | COUNT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PERCENT (Calculate)\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **STD**  **2023** | COUNT |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PERCENT (Calculate)\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**\*Note: Percent Calculation = Count in each age group / Total \* 100**

1. Which age group had the highest percentage of cases in 2013? \_\_\_\_\_\_\_\_\_\_ in 2023? \_\_\_\_\_\_\_\_\_\_
2. When compared 2013 to 2023, are there any differences in the percentage of cases by age group?

**Task 6: Syndromic Surveillance – EpiPlot**

Use the Michigan Syndromic Surveillance System (MSSS) to create an EpiPlot for rash illness using the parameters below. Submit your chart along with this document.

Resource Type: Chart

Period: Select Custom Dates, Start Date: 07/01/2022; End Date: 06/30/2023

Select ‘Weekly Aggregation’ from drop down below the end date field

Syndrome: Rash

Jurisdiction: Your Local Health Jurisdiction (jurisdictions with multiple counties are at the bottom of the list)

Normalize: select ‘Classic’

**Task 7: Outbreak Investigations**

1. How many infectious disease outbreak investigations\* was your jurisdiction involved in (either as lead or supporting role) from **July 1, 2022 to June 30, 2023**? \_\_\_\_\_\_\_\_\_\_
2. How many outbreaks were reported using the MDSS aggregate report form? \_\_\_\_\_\_\_\_\_\_

\*Outbreak investigations may include foodborne illness outbreaks, waterborne illness outbreaks, respiratory illness outbreaks (e.g., COVID-19 or influenza) vaccine-preventable illness outbreaks, norovirus outbreaks, or others.

**Tip: Searching for Outbreaks in MDSS**

* Use the New Search function under the Case Investigation Tab to search for cases with outbreak identifiers. Place an asterisk (\*) in the Outbreak field. *Some conditions may have an identifier that starts with ‘SOM’ signifying that the case was reviewed by MDHHS staff; please do not include these in your counts.*

* Use the New Aggregate Search function under the Case Investigation Tab to search for outbreaks entered into the MDSS Aggregate Report Form. Search for reports where ‘Outbreak Y/N’ is ‘Yes’ and set the referral date range from 07/01/2022 to 06/30/2023.