



Essex County Office of Public Health Management
Maya Lordo - Health Officer

Epidemiology and Surveillance

1. Detected cases trend during the period of Sept 6th and Oct 11th:

Graph depicts variation of detected covid cases as per CDRSS¹ from Sept 6th to Oct 13th.

As per de data, a negative trend is observed, with a decrease in cases detected from September 6th to October 11th. (Figure 1).

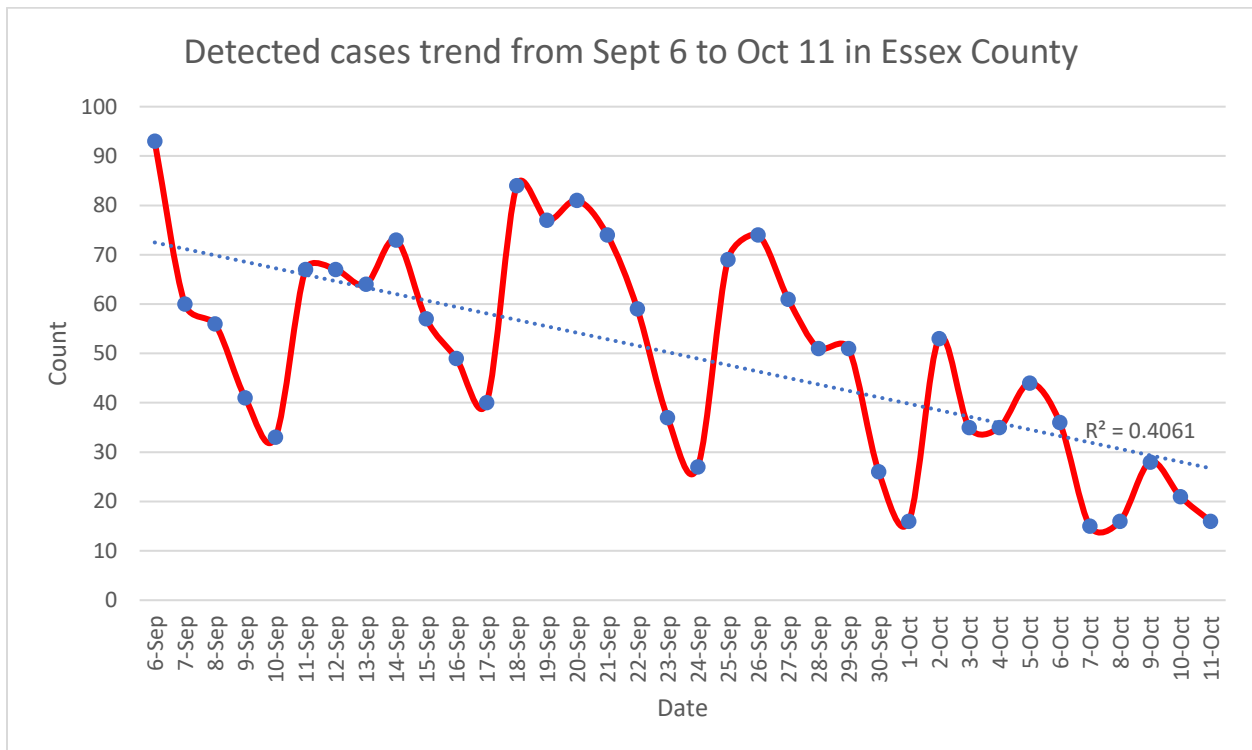


Figure 1. Trend of COVID19 Detected cases in the County of Essex during the period of Sept 6th to Oct 11th.

¹ <https://cdrss.nj.gov>



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2. Detected cases per municipality:

The table below shows the detected cases per municipality during the period from Sept 6th and Oct 11th, 2023.

Cells show the number of detected cases: intensity of reddish tone, depicts higher positive cases to the entire data.

Municipalities	6-Sep	7-Sep	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	total		
NEWARK	30	18	19	15	13	18	17	21	33	23	15	14	34	32	31	25	21	9	10	26	28	16	17	18	5	6	12	8	8	11	14	3	3	14	4	5	596		
EAST ORANGE CITY	11	4	5	1	2	4	9	5	6	6	6	4	8	6	11	10	4	2	5	10	5	5	5	3	1	1	2	2	2	4	6	2	1	5	1	0	164		
WEST ORANGE	11	4	4	7	3	4	12	5	7	3	6	2	7	4	7	6	5	5	0	3	4	3	3	4	6	3	2	5	5	9	3	0	0	1	1	1	155		
BLOOMFIELD	4	6	3	1	2	10	4	3	5	4	3	2	3	7	2	6	4	5	1	5	11	7	2	3	3	0	5	1	3	1	1	1	2	1	2	1	124		
BELLEVILLE	7	5	3	4	0	6	6	7	8	2	0	2	4	3	3	4	2	3	0	2	1	7	3	3	2	1	7	2	1	2	1	3	1	0	3	0	108		
IRVINGTON	7	6	5	5	2	4	2	5	4	1	1	2	5	6	9	2	3	5	3	1	1	1	6	1	0	0	2	2	4	0	0	0	0	0	1	0	96		
CITY OF ORANGE	3	5	5	2	1	5	5	3	1	1	5	2	2	3	5	5	3	2	2	3	4	6	1	5	1	0	1	2	1	0	0	1	0	1	3	1	90		
MONTCLAIR	3	2	0	3	1	3	3	1	0	4	5	1	6	1	2	2	2	0	1	3	5	4	3	4	2	0	2	3	2	4	1	1	1	0	1	0	76		
LIVINGSTON	4	4	5	1	2	4	1	0	2	2	4	4	2	2	2	2	5	2	3	0	2	1	2	0	4	0	1	2	1	3	1	2	1	2	0	2	75		
NUTLEY	1	0	1	1	2	2	3	4	2	2	2	2	1	3	3	2	2	3	0	1	2	3	2	1	1	0	0	3	1	2	3	1	0	1	1	0	2	58	
CEDAR GROVE	1	2	2	0	1	1	2	2	0	0	0	1	0	0	2	1	2	0	0	6	0	1	0	2	1	1	4	0	0	0	2	1	3	0	1	2	41		
VERONA	2	0	2	0	0	0	0	0	0	2	0	0	2	3	1	3	1	1	0	2	2	3	0	1	0	1	4	1	1	1	0	0	0	2	2	0	37		
MAPLEWOOD	3	0	0	0	0	2	1	0	1	4	0	0	3	0	1	0	1	0	0	1	1	2	3	1	0	0	3	2	0	0	0	0	0	1	0	0	0	30	
WEST CALDWELL	1	0	0	0	1	1	0	2	0	0	1	0	0	3	0	2	0	2	0	1	0	1	1	2	1	2	1	2	0	2	1	2	0	0	1	0	0	29	
SOUTH ORANGE VILLAGE	2	2	0	0	0	1	0	2	1	1	0	2	0	1	1	3	1	0	0	0	1	2	0	2	0	0	1	1	2	0	0	0	0	0	0	1	1	28	
CALDWELL	3	2	2	0	0	1	1	0	1	1	0	1	1	2	1	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0	25	
MILLBURN	0	0	0	0	2	1	1	1	0	1	1	0	1	1	0	0	0	0	1	2	2	0	2	0	0	0	1	1	0	1	0	0	0	0	0	0	1	20	
GLEN RIDGE	0	0	0	0	1	0	0	2	1	0	0	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	13	
FAIRFIELD	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	2	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	11
ROSELAND	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
NORTH CALDWELL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	
ESSEX FELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	

Table 1. Detected cases per municipality.



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The figure below depicts the variation of detected cases among the municipalities with more than 100 cases during the period of Sept 6th and Oct 11th (Figure 2):

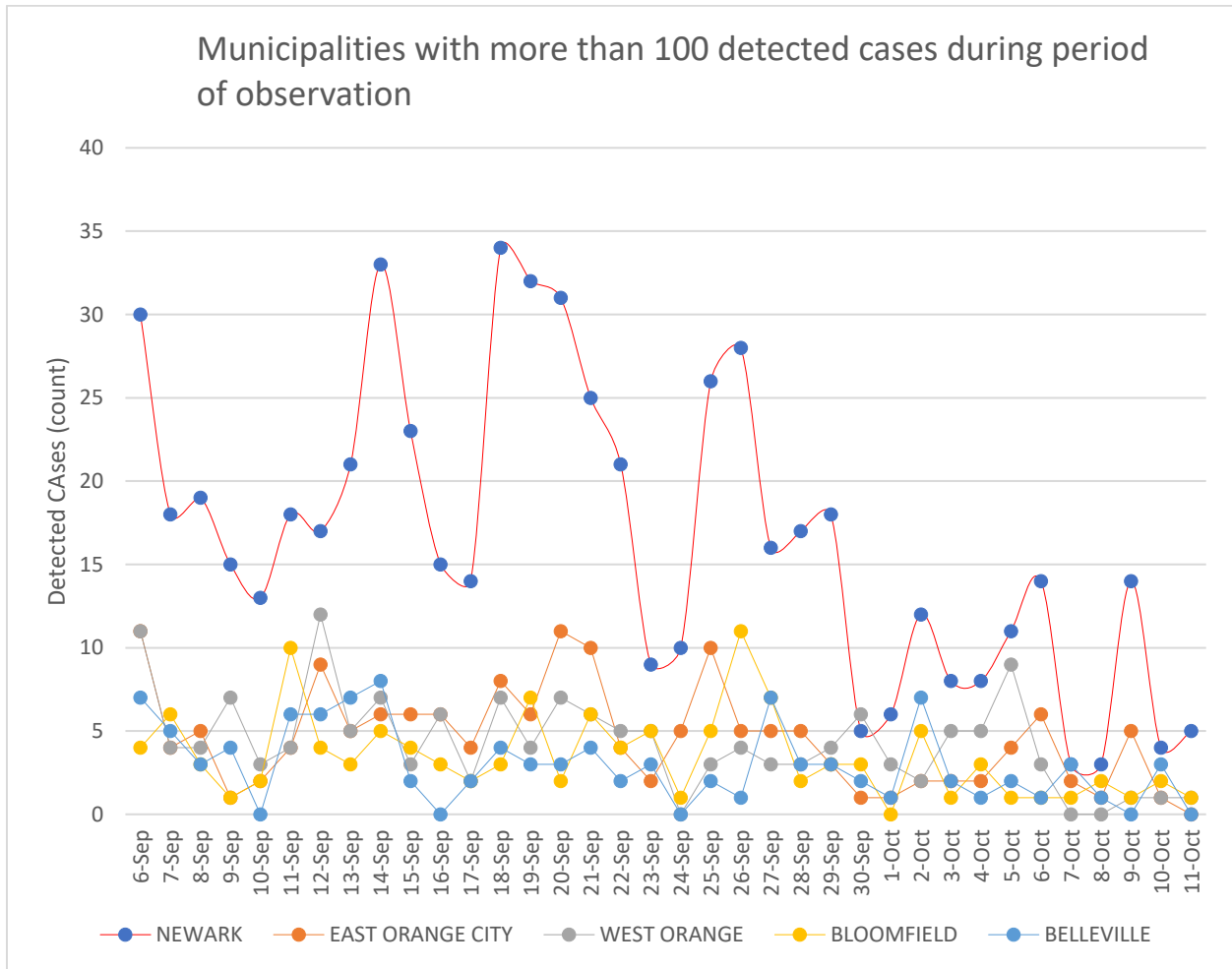


Figure 2. Variation in detected individuals among municipalities with more than 100 detected cases in total.

Municipalities with Over 100 Cases: Five municipalities reported more than 100 cases each during the observed period.

Newark Leads in Cases: Newark reported the highest number of cases, with 596 in total.



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Incidence Rates: The incidence rates are given per 1,000 individuals. Here are the rates for each municipality (Table 2):

Municipalities	Min	Max	Total Cases	Avg detected per day	Incidence per 1000
Newark	3	34	596	17	2
East Orange	0	11	164	5	2
West Orange	0	12	155	4	3
Bloomfield	0	11	124	3	2
Belleville	0	8	108	3	3

Table 2. Descriptive statistics and incidence during period of observation

- Newark: 2 cases per 1,000 individuals.
- East Orange: 2 cases per 1,000 individuals.
- West Orange: 3 cases per 1,000 individuals.
- Bloomfield: 2 cases per 1,000 individuals.
- Belleville: 3 cases per 1,000 individuals.

Descriptive Statistics: The table also provides additional information, such as the minimum and maximum daily detected cases and the total number of cases (Table 2).

This data offers valuable insights into the distribution of cases and the incidence rates across these municipalities, with Newark having the highest number of cases but moderate incidence rates. West Orange and Belleville have lower case numbers but higher incidence rates. These statistics can help in understanding the impact of the condition in different areas and may guide public health interventions.

We are continuously monitoring variation in detected cases as part of the surveillance program conducted by the Essex County Office of Public Health Management. If concern triggers because of a surge in detected cases, the office will activate countermeasure activities.