Charles County Emergency Services
Situation Report #107

SITUATION	
Situation Summary:	Global COVID-19 situation map here Maryland summary map here

Weekly COVID+ Percentage

Date	Value
23-Mar	10.70
6-Apr	17.42
	20.63
20-Apr	21.28
	15.94
4-May	18.17
	11.76
	11.02
18-May	9.81
	9.85
1-Jun	8.35
	5.86
15-Jun	4.00
	4.26
29-Jun	5.57
	5.37
13-Jul	5.56
	5.39
27-Jul	4.87
	4.83
10-Aug	4.39
	4.07
24-Aug	4.45
	4.05
7-Sep	4.59
	4.58
21-Sep	2.92
	3.36
5-Oct	2....
	2.84
19-Oct	2.75
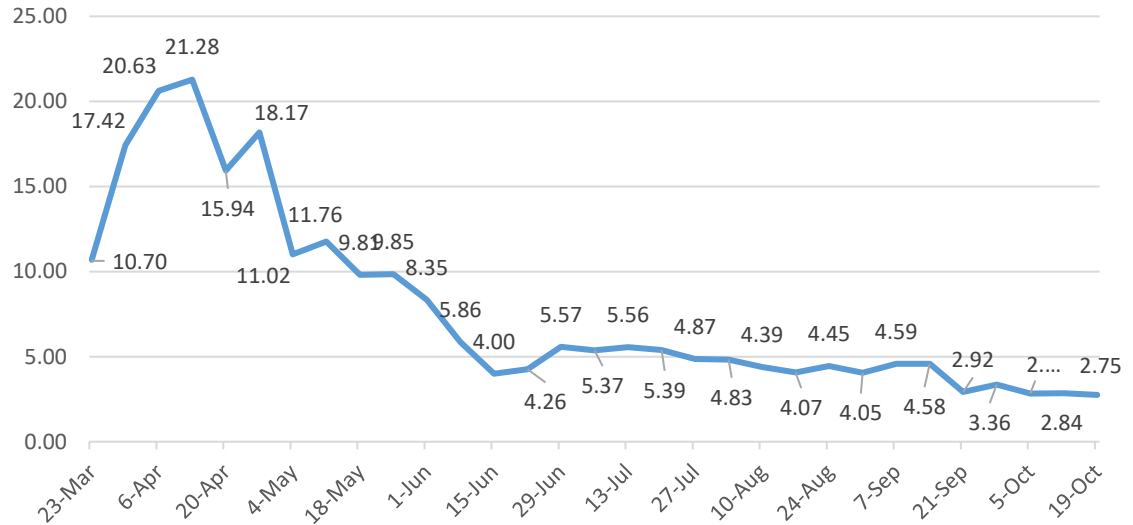
Weekly COVID+ Positives and Deaths

Positives: 5, 24, 78, 107, 140, 126, 135, 104, 113, 127, 102, 129, 64, 45, 58, 59, 85, 76, 123, 136, 153, 135, 115, 107, 93, 97, 128, 81, 84, 74, 88, 87

Deaths: 0, 0, 2, 0, 17, 19, 6, 7, 8, 6, 7, 5, 3, 4, 0, 0, 3, 1, 0, 1, 0, 1, 1, 0, 2, 0, 6, 4, 0, 0, 0, 0

Dates: 16-Mar, 30-Mar, 13-Apr, 27-Apr, 11-May, 25-May, 8-Jun, 22-Jun, 6-Jul, 20-Jul, 3-Aug, 17-Aug, 31-Aug, 14-Sep, 28-Sep, 12-Oct

SitRep #107 ~ Oct 23, 2020 – Next SitRep Oct. 30, 2020

Weekly Negatives

CRMC COVID+ average of COVID+ patients admitted per week
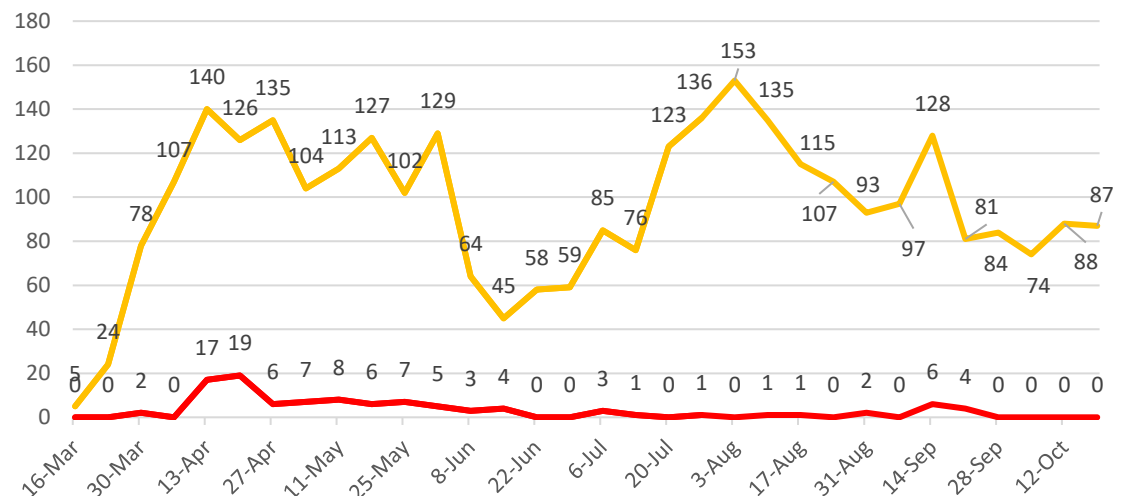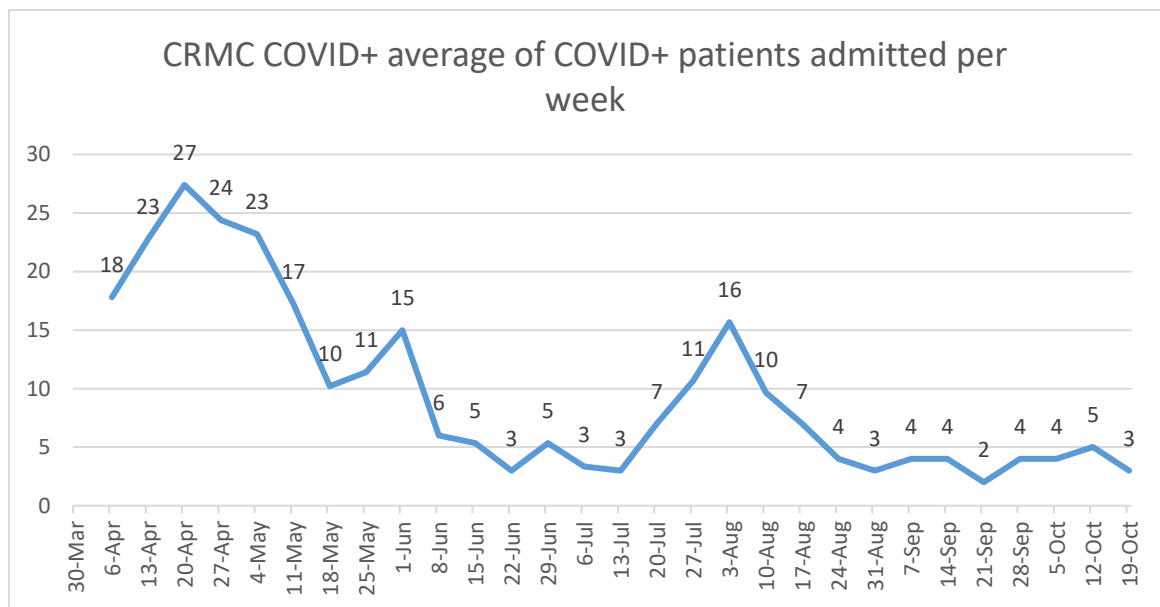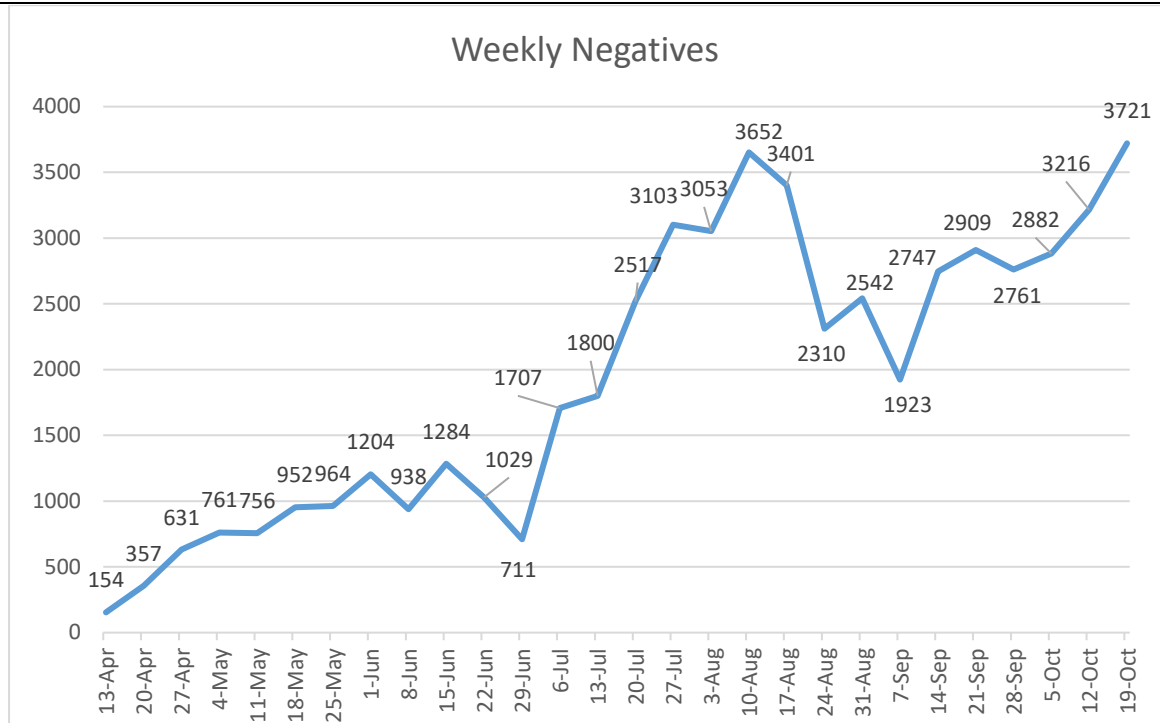
Charts based upon the data provided by the HD

Charles County Dept of Health Data:	3078 cases total reported since the beginning of the event. 87 new cases in the last week. Among confirmed cases, 1731 (56.2%) Female; 1347 (43.8%) Male Age range of positive COVID-19 cases: 0-100 years Average age of confirmed cases: 43.7 Age Distribution for Charles County cases: Under 18 years: 252 (8.2%)

SitRep #107 ~ Oct 23, 2020 – Next SitRep Oct. 30, 2020

18-64 years: 2397 (77.9%)
65+ years: 429 (14.0%)

<mark>55,385</mark> negative tests results

7 day average case rate per 100,000 population:

Charles County:	Maryland:
10/16: 7.61	9.85
10/17: 7.44	10.24
10/18: 7.26	10.16
10/19: 7.61	10.14
10/20: 8.23	10.40
10/21: 7.70	10.20
10/22: 7.35	10.47

7 day average percent positivity rate:

Charles County:	Maryland:
10/16: 2.85%	3.15%
10/17: 2.89%	3.14%
10/18: 2.99%	3.14%
10/19: 3.25%	3.20%
10/20: 3.11%	3.05%
10/21: 2.78%	3.10%
10/22: 2.75%	3.00%

Total Number of negative lab results: 55,385
Number of negative lab results since 10/16: 3,721
Total testing volume for Charles County (positive and negative): 65,442
Percentage of Charles County residents who have been tested for COVID-19: 24.7%

Total Positivity Rate for all lab results thus far: 4.7%
7 day positivity rate for all lab results: 2.75%
Positivity Rate for all lab results since 10/16: 2.9%

Average number of days from specimen collection date to reporting to public health for all positive and negative lab results between October 16-22: 3.2 days
Average number of days from specimen collection date to reporting to public health for all positive lab results between October 16-22: 2.6 days
Weekly data update for contact tracing.
1. Number of new positive cases from 10/11-10/17= 85
2. Number of positives that have been contacted 10/11-10/17= 74
3. Number of contacts identified from 10/11-10/17= 124

4. Number of contacts that have been contacted by tracers 10/11-10/17= 48
5 Open cases- still working
0 from CCDOH
1001 from NORC
Total: 1001

6. Closed cases- no need for further tracing
812 from CCDOH
703 from NORC
Total = 1515
7. Number of persons in isolation
Unable to get this information

323 required hospitalization. Hospitalization rate is steadily decreasing. Peak in hospitalization rate coincided with the peak in the skilled nursing facility outbreaks in late April.

99 confirmed deaths 0 additional deaths since previous report

There have been 99 confirmed deaths associated with COVID-19. This equates to 3.6% of total confirmed cases. The Charles County death rate of 3.6% is higher than the MD state average death rate of 3.1%, but this gap is closing. However, it should be noted that the majority of deaths in Charles County are associated with outbreaks in skilled nursing facilities. The death rate for Charles County is going down from a high of 7.3% now that the outbreaks at skilled nursing facilities have been contained and/or reduced.
There were 2 probable COVID-19 deaths. COVID-19 is listed as the cause of death, but laboratory testing has not yet been confirmed.
Average age of fatalities: 75.8 years
Age Distribution of Fatalities:
0-39 years: <7 (1.0%) Data is suppressed when the number of cases is less than 7.
• 40-69 years: 24 (23.8%)
• 70-79 years: 40 (39.6%)
• 80+ years: 36 (35.6%)
Gender breakdown among fatalities:
55 or 54.5% Female
46 or 45.5% Male
Racial breakdown among fatalities:
41.6% Non-Hispanic White
49.5% Non-Hispanic Black
3.0% Non-Hispanic Asian
5.9% Hispanic
Location of death:
Hospital Inpatient: 62 or 61.4%
Nursing Home: 25 or 24.8%
Other/Home/Emergency Room/Outpatient: 14 or 13.8%

Countywide Race/Ethnicity demographics	Statewide By Race and Ethnicity is available at https://coronavirus.maryland.gov/ Asian: 37 (1.2%) Black/African American: 1343 (43.6%) White: 677 (22.0%) Other /2+ races: 273 (8.9%) American Indian/Alaskan Native: 11 (0.4%) Data not available/Declined to Answer: 737 (24.0%) Ethnicity: Hispanic: 247 (8.0%) Non-Hispanic: 2147 (69.8%) Data not available/Declined to Answer: 684 (22.2%)

Confirmed Cases by Zip Codes: Available information from State website. Not showing data from zip codes with less than 7 confirmed positives.					

Zip code:	Total number of positive cases	Number of new positive cases since 10/16	Number of new negative labs in last 24 hours	Case Rate per 1000 residents
20601	574	10	97	20.95
20602	588	20	111	22.55
20603	660	19	101	20.92
20604	9	0	2	NA
20611	12	3	6	7.82
20613	40	0	0	2.89
20616	118	1	13	19.33
20622	37	0	0	4.44
20632	17	1	2	NA
20637	73	1	8	12.67
20640	138	2	25	13.97
20645	15	0	1	NA
20646	372	12	48	17.45
20658	11	0	2	NA
20662	34	1	2	11.69
20664	40	2	5	12.00
20675	25	1	3	11.11
20677	34	1	10	13.45
20693	18	0	5	NA
20695	238	12	105	28.52

The Case Rate for Zip Code 20613 in the above table has been calculated for Charles County residents only.

The below Case Rate calculations are for the entire Zip Code.
Case Rates for Zip Codes Shared by Charles County and Prince George's County:
20607, Accokeek: 24.84
20613, Brandywine: 23.53

These are two of the lowest rates in Prince George's County. These rates are much closer to Waldorf and White Plains case rates.
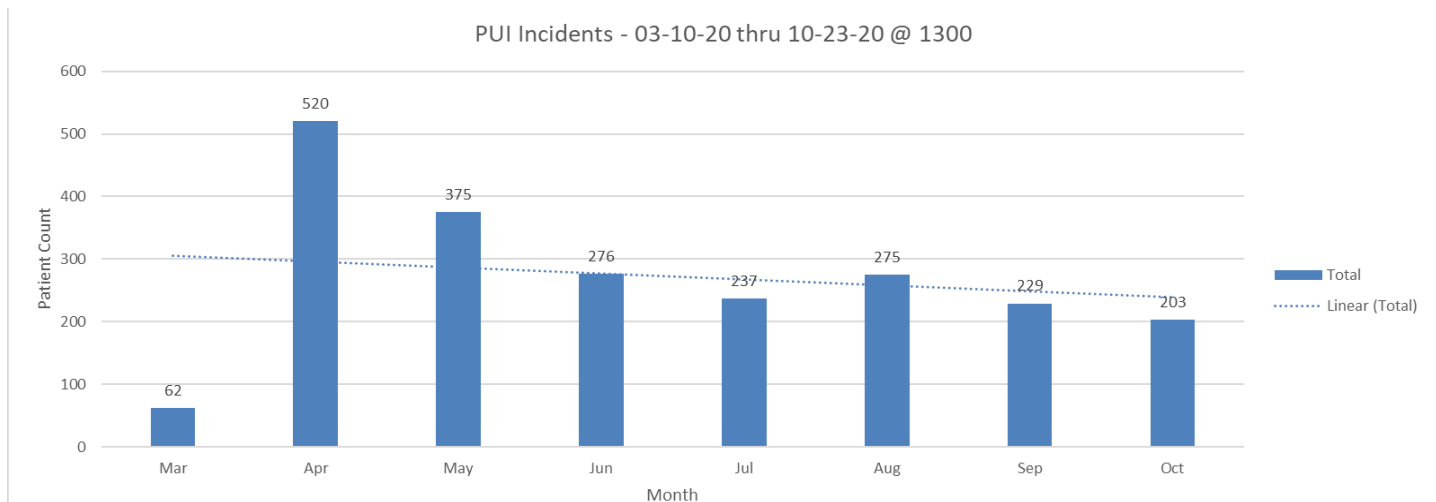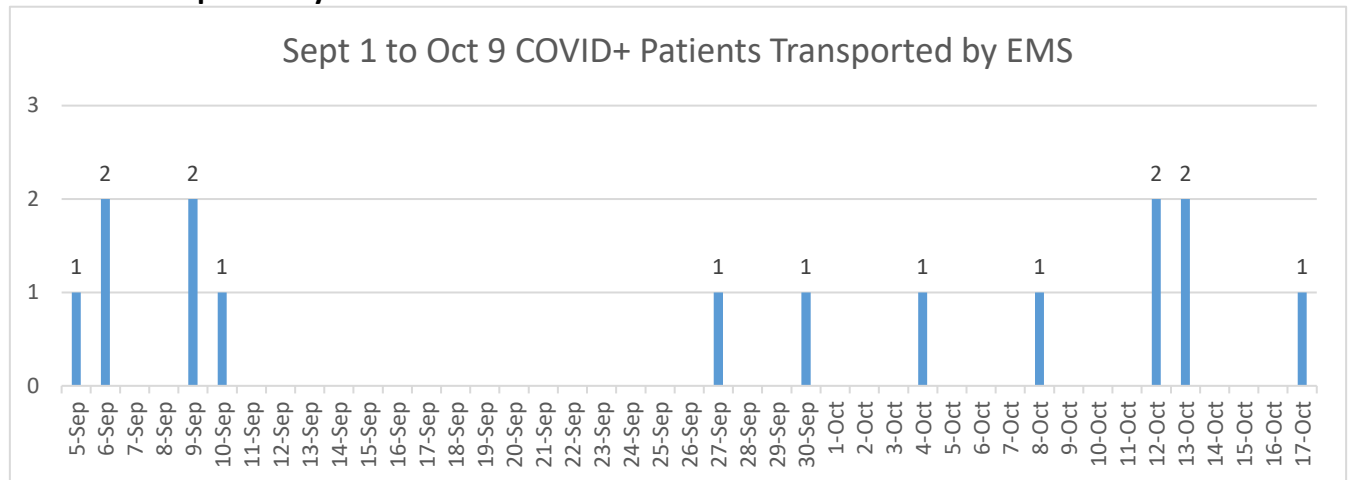
Case rates for other Prince George's County Zip Codes that are near Charles County:

20623, Rosaryville: 21.47

20772, Upper Marlboro: 26.07

20744, Fort Washington: 27.71

Total COVID+ transported by Career & Volunteer EMS:

Sept 1 to Oct 9 COVID+ Patients Transported by EMS

PUI Incidents - 03-10-20 thru 10-23-20 @ 1300

PUI = Person Under Investigation

First Responders Quarantine/ Isolation	Quarantine means exposed and they can't come to work. Self Isolation means sick or tested positive. Fire/EMS: 1 Quarantine: means exposed and they can't come to work

SitRep #107 ~ Oct 23, 2020 – Next SitRep Oct. 30, 2020

	2 Isolation: means sick or tested positive CCSO: CCSO Quarantine: 21 CCSO Isolation:3
Volunteer Fire, Career & Volunteer EMS	**Stations/Apparatus:** - No Station with any contamination issues. - No Apparatus with any contamination issues. **Personnel Exposure:** 2 – In Isolation. 1 is currently Hospitalized 1 – Quarantine (Exposed to a Positive Co-Worker) **Incidents/Call Volume:** - No Major Incidents to Report related to COVID-19 - Call volume for Fire Events has remained Average while we have had a couple days this past week with Above Average EMS Events. - Overdose Incidents are still on the rise. - Transports of COVID Positive Patients remains low. **Other Information:** - Continue to push out information about Social Distancing in the Stations. - All personnel need to continue to utilize proper PPE on incidents. - Updated Special Order's have been shared.
Charles Regional Medical Center:	• Hospital Bed Capacity = 166. Census = 89 • Hospital COVID Positive Census = 3 • PUI admissions = 2 • ICU Census = 5 • Hospital ICU in now a dedicated COVID-19 Unit, and 3 East is for regular ICU overflow and has 10 beds. • A section of the 3 South Patient Care unit has been modified to be dedicated to COVID-19 positive patients only. • Isolation Room Capacity = 12 • Isolation Rooms Occupied = 5 • Ventilated COVID-19 positive patients = 2 • Ventilators not in use = 1

	• EMS staff transported to CRMC 10/22/2020 = Zero (0) Covid positive, and zero (0) PUI's
Law Enforcement	## _Agency COVID-19 Numbers:_ Charles County Sheriff's Office: • 10 Sworn Officer quarantined (estimated return to work – 2 return 10/30; 7 return 10/31, 1 returns 11/4) • 0 Sworn Officers isolated • 2 Correctional Officer quarantined (estimated to return to work – 1 returns 10/30; 1 returns 10/31) • 2 Correctional Officers isolated • 9 civilians quarantined (estimated to return to work – 2 return 10/30; 7 return 10/31) • 1 civilians isolated. Charles County Detention Center Population: • 108 inmates • 0 COVID positive inmates • 0 Inmates with symptoms Maryland State Police: • 0 Officer Quarantined • 0 Officers Isolated Maryland Transportation Authority: None local La Plata Police Department: • 0 Officer Quarantined • 0 Officers Isolated • 0 Civilian Isolated Natural Resources Police: • 0 Officer Quarantined • 0 Officers Isolated • 0 Civilian Isolated **Definitions** _Quarantine_: Quarantine is the process of keeping an asymptomatic (no symptoms) person who had a reported exposure away from other people. _Isolation:_ Isolation is the process of keeping a symptomatic or positive person away from all other people.

Oct 23, 2020 ~ COVID 19