

MEMORANDUM

Date: August 13, 2021

To: The Honorable Chair and Members
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator

Re: **COVID-19 Update for the August 16, 2021 Board of Supervisors Meeting**

Pediatric Population Update

COVID-19 pediatric (0 to 19 years) cases continue to grow in Pima County from 19,863 in our prior report to 20,261 this week. COVID-19 cases have occurred in the population of 0 to 19 year olds in Pima County. This represents just over 16.6 percent cases of COVID-19 since the beginning of the pandemic. In terms of hospitalizations of COVID-19 pediatric age patients at these appear to fluctuate daily from 4 to 15. No pediatric COVID-19 deaths have been reported.

The Health Department works collaboratively with schools and districts to quickly identify cases occurring in these environments. From July 20 of this year until today, 489 cases across 141 public schools have been reported to the Health Department. (Attachment 1) As of today, cases are being reported by 118 schools across 12 public school districts, and an additional 26 charter or private schools. There have been 25 school outbreaks (using the CDC definition) and these have resulted in 12 separate classroom closures. To be clear this is now a system-wide issue impacting ***all*** our school districts, charters, and private schools.

Students represent 84 percent of the reported cases, while teachers and staff represent the remaining 16 percent. Non-vaccine age-eligible cases among children up to 11 years of age represent 44.8 percent (219) of school reported cases, while the 12 to 19 year age group makes up the 42.5 percent (208) of school reported cases. Staff and teachers make up the remaining 12.7 percent.

Hospital Capacity

Our Health Department monitors hospital capacity on a daily basis, by calling each facility within the jurisdiction to assess current volumes in the inpatient medical surgical units and in intensive care. This voluntary self-reporting by our partner hospitals has been invaluable for the regional management of precious hospital resources.

The current surge is beginning to have a significant impact on hospital capacity. Hospitals across Pima County are reporting daily increases in inpatient COVID-19 admissions, from 50 on July 1 (this year) to 152 on August 12. As a reminder, COVID-19 positive inpatients peaked at 760 on January 7 of this year.

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COVID-19 ICU bed usage reached its peak of 343 on January 11, 2021, reaching its lowest occupancy of 14 on May 21 and leveling off in the low twenties. This last week, COVID-19 ICU patients have ranged from have 37 to 42 per day, taking up approximately 25 percent of the total ICU capacity in Pima County. These figures would not be alarming, except for the fact that even prior to current surge (and currently), ICUs across the system were and are currently caring for a higher than normal volume of non-COVID-19 patients.

Given the constrained ICU capacity, driven by increased patient volume compounded by staffing shortages, requests for federal staffing assistance and support are being prepared and processed for our hospital partners.

Vaccine Coverage

Vaccination in Pima County continues to be a relative bright spot. At this point we continue to have higher vaccination coverage rates compared to the rest of the state and the nation. As documented by the CDC COVID-19 Data Tracker, 645,767 Pima County residents have received at least a single dose of vaccine, and 559,922 have been fully vaccinated. First dose coverage now exceeds 60 percent across all age groups, except for 10 to 14 (27 percent), 15 to 19 (50 percent), and 20 to 29 (48 percent). (Attachment 2)

COVID-19 Infections Trends by Week Since June 6

Attachment 3 is part of a series of weekly maps that have been produced since the beginning of the pandemic. These maps represent reported cases by week (unadjusted) since June 6 of this year. The latest week of August 1 to 7 reports 1,309 cases. The highest in the last nine weeks. Looking at this series of maps you can see obvious weekly infection increases with the most dramatic increases coming in the last four weeks.

Conclusion

The data we provide today would support the reinstatement of the emergency declaration. The purpose would not be to enact more restrictions, since this ability has been substantially curtailed by the actions of the Governor and state legislature. Instead such a declaration would be largely symbolic, serving to draw attention to the need for vaccination among the remaining population and to re-emphasize the need for universal mask use in public indoor settings.

CHH/dym

Attachments

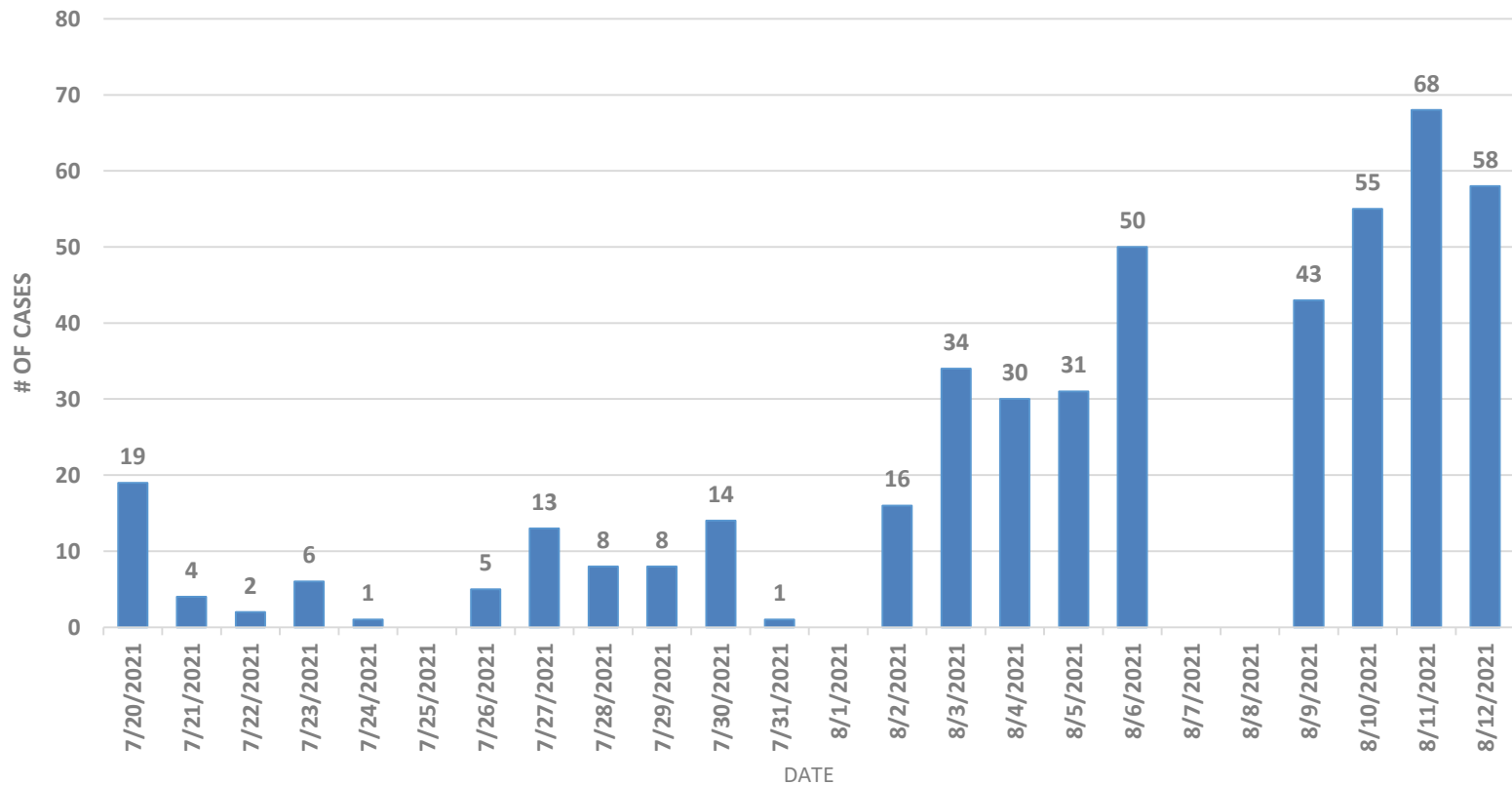
c: Jan Leshner, Chief Deputy County Administrator
Carmine DeBonis, Jr., Deputy County Administrator for Public Works
Francisco García, MD, MPH, Deputy County Administrator & Chief Medical Officer,
Health and Community Services
Terry Cullen, MD, MS, Public Health Director, Health Department

ATTACHMENT 1

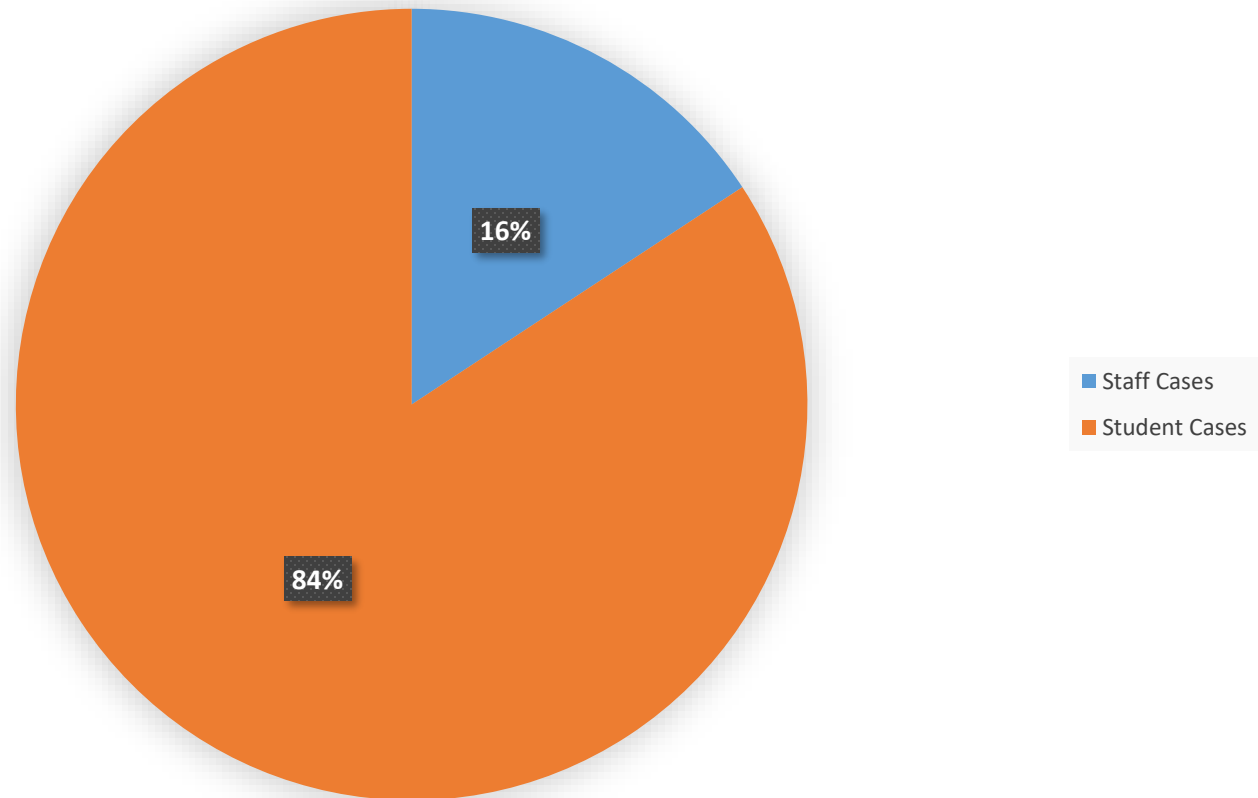
Detailed Daily School Data – 08/13/2021

Data reflects all entries as of 9:15am

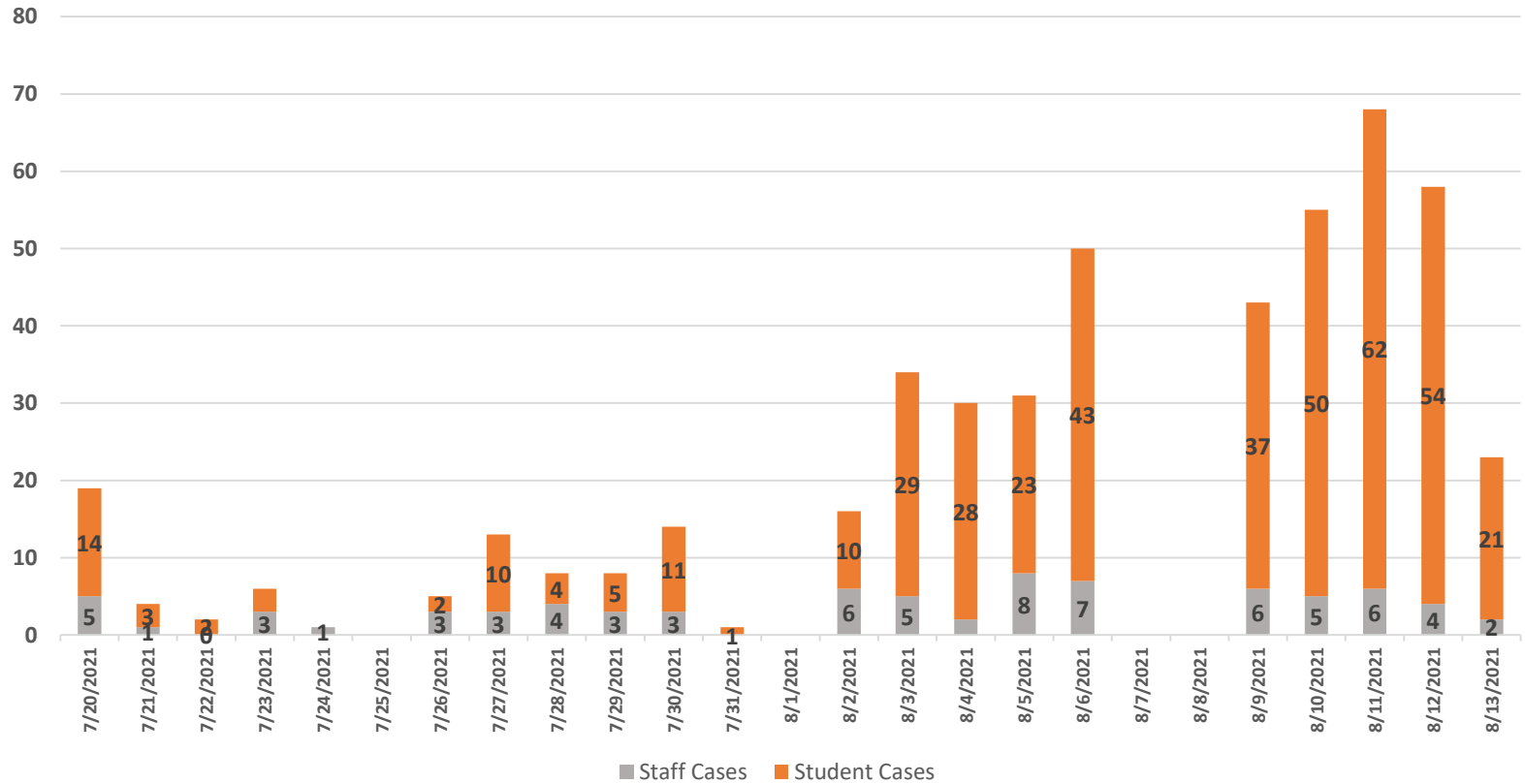
Total COVID19 Cases (n=489) in Schools by Case Date



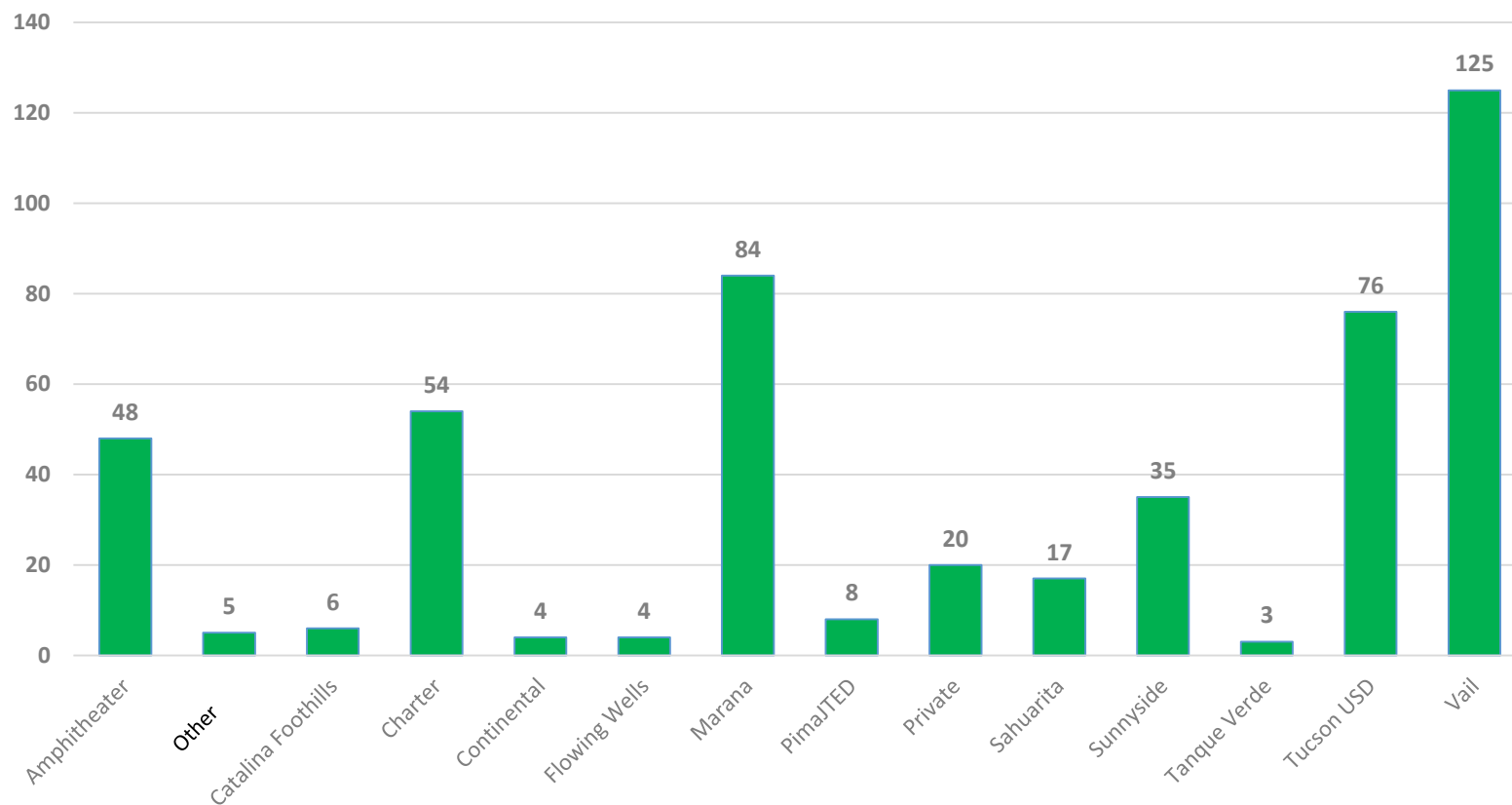
Percent of Total Cases in Schools by Staff (n=77) and Students (n=412)



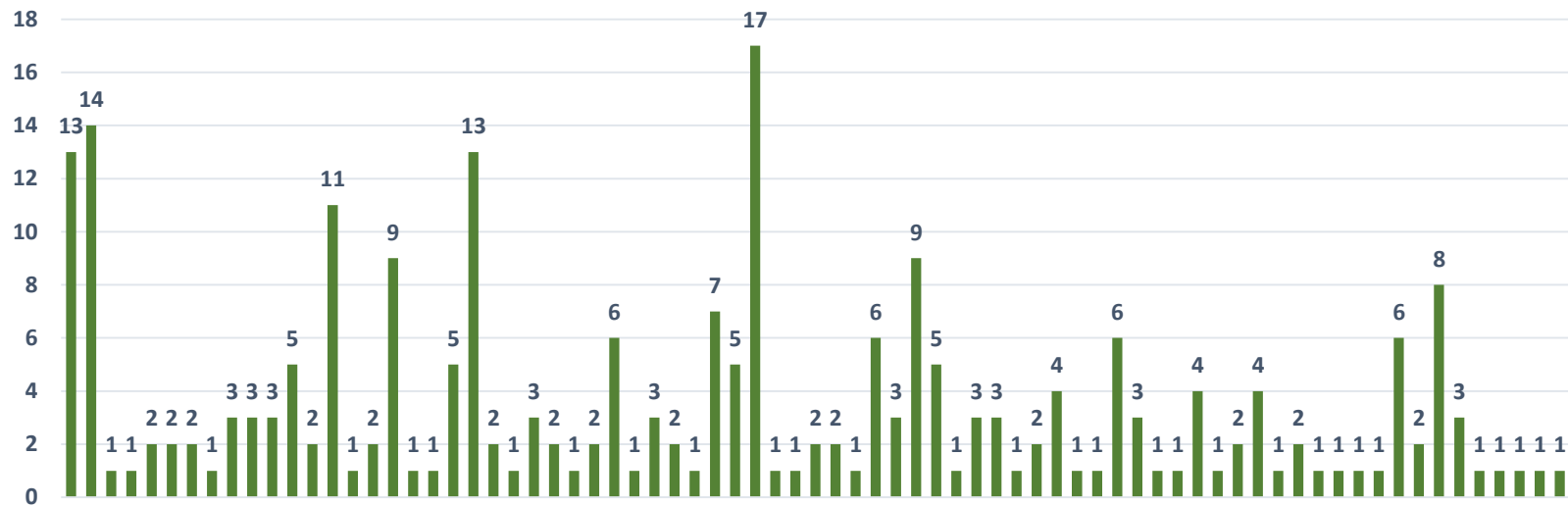
COVID19 Cases in Schools (n=489) by Staff and Students by Case Date



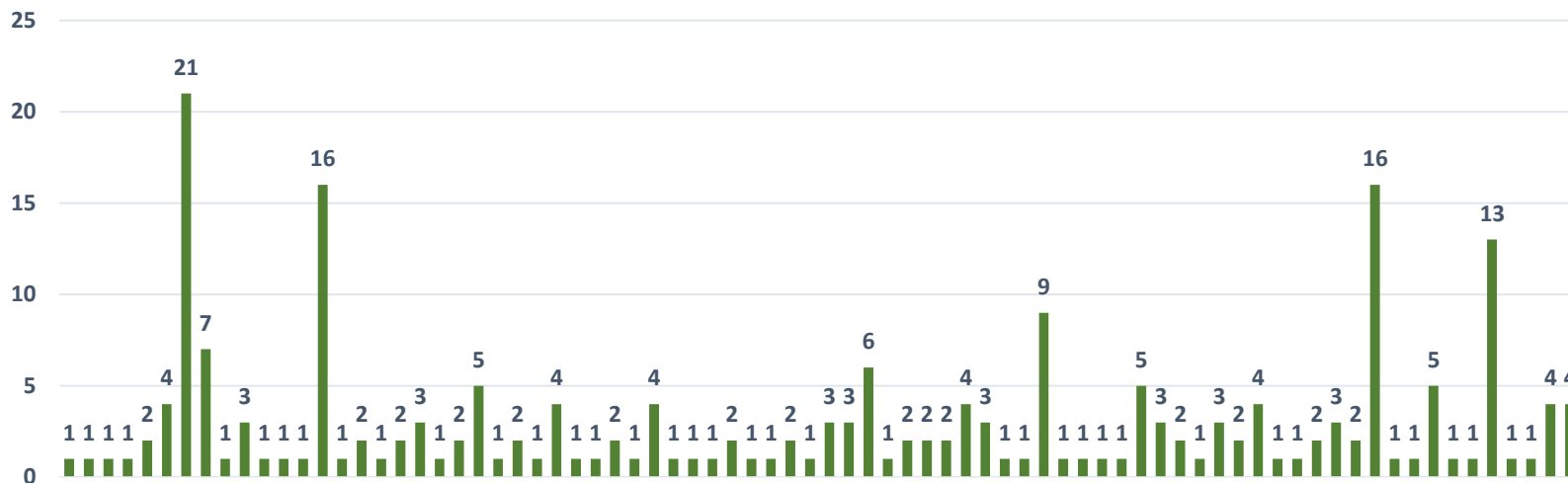
Total COVID19 Cases (n=489) by School District



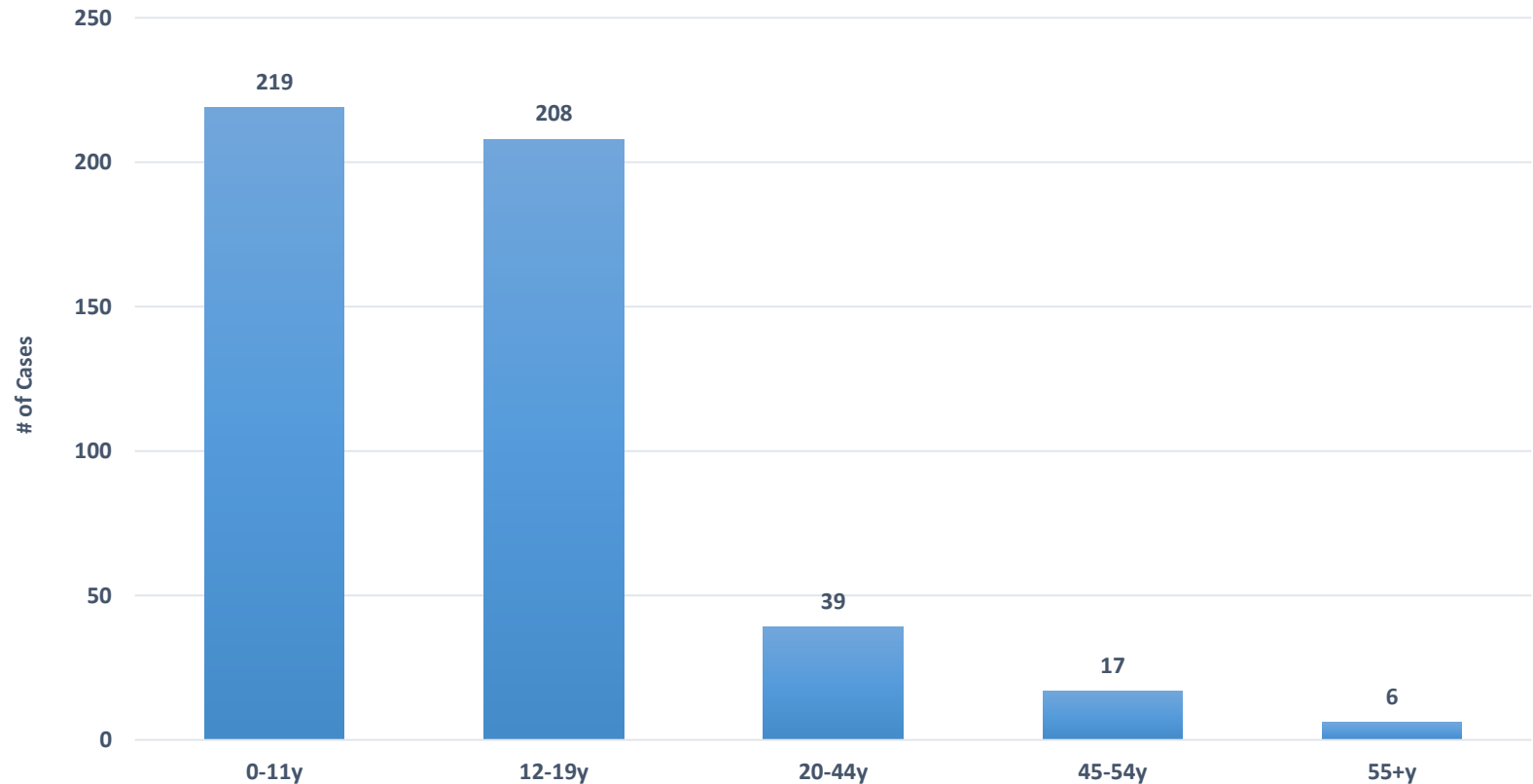
Total COVID19 Cases (n=489) by School



Total COVID19 Cases (n=489) by School



Total COVID19 Cases (n=489) in Schools by Age Group



ATTACHMENT 2

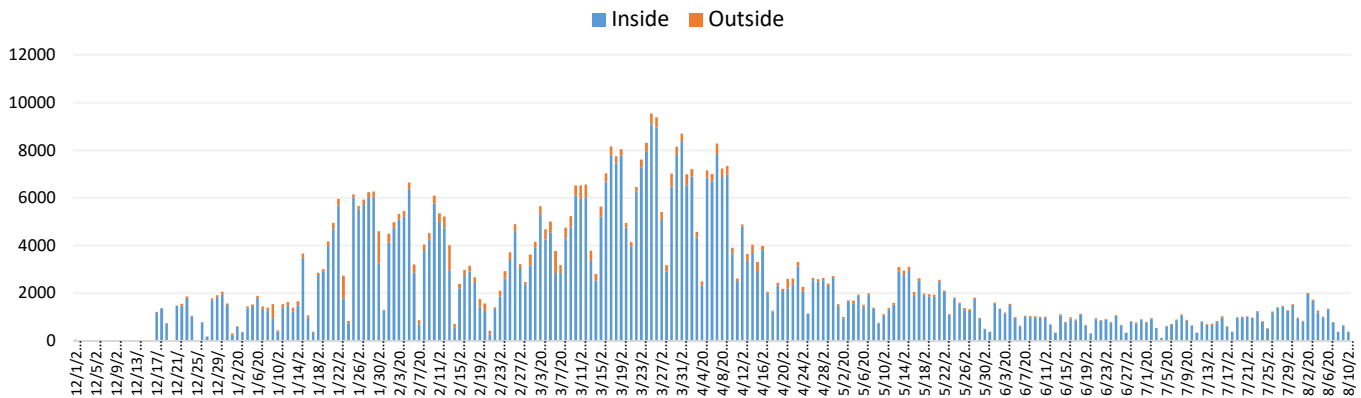
Pima County COVID-19 Vaccination Report

August 11, 2021

Total doses administered to Pima County residents: 1,144,210*

As of August 10, 2021, a total of 616,519 (59.02%) Pima County residents have received their first dose of a COVID-19 vaccine. A total of 578,502 residents were vaccinated by a local provider in Pima County ("inside") and 38,017 residents were vaccinated by a provider outside of the county ("outside"). Note, dates that don't appear in graphs had zero vaccinations. *Total number of vaccine doses administered to Pima County residents by all vaccine providers.

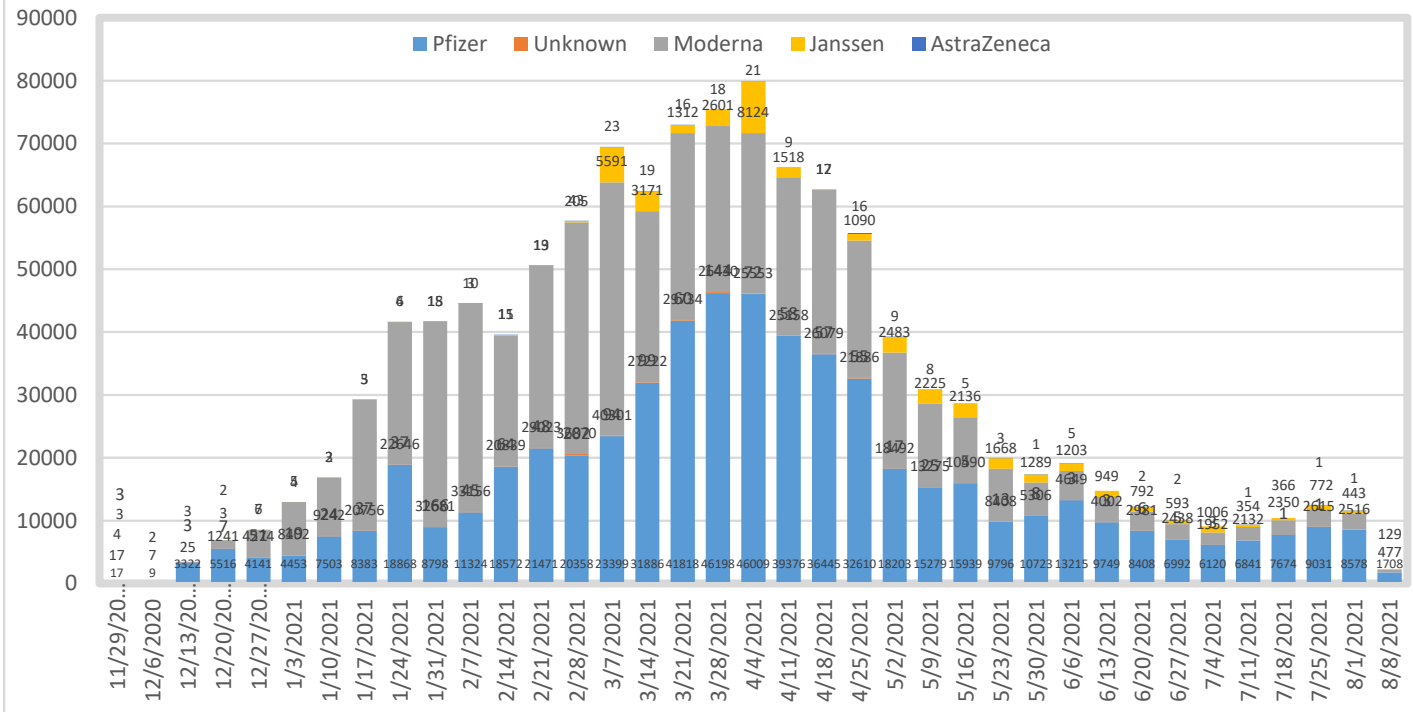
Pima County First Dose Vaccinations by Date and by Location of Service



First Time Vaccinated Residents by Gender and Age Group

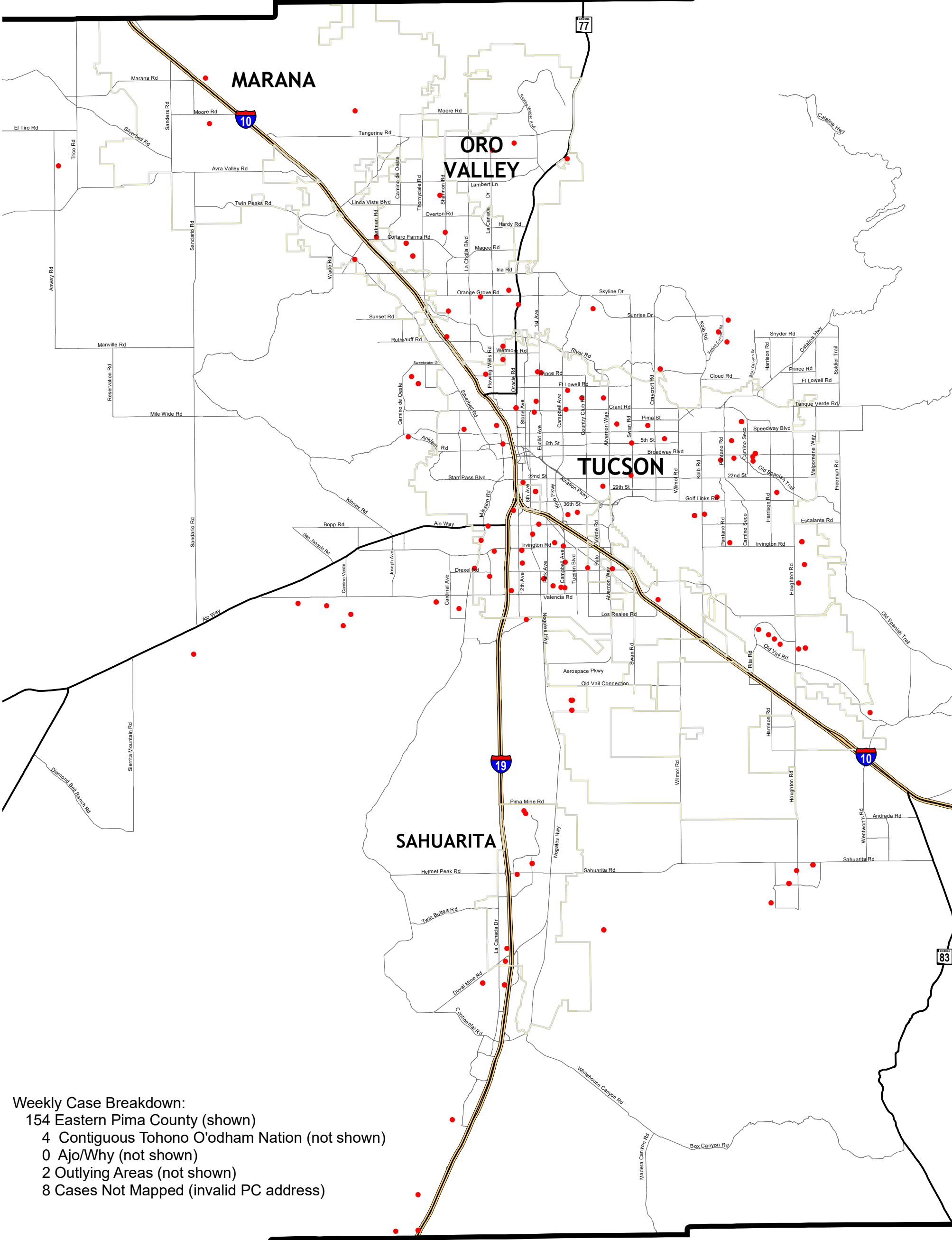
	Number vaccinated	% of residents vaccinated	2019 pop. size	% of total pop.	% of age group
Residents vaccinated	616,519		1,044,675	59%	
Gender					
Female	334,426	54%	530,457	51%	
Male	280,710	46%	514,218	49%	
Unknown	1,383	0%			
Age group					
0-9	0	0%	118,576	11%	0%
10-14	17,095	3%	62,299	6%	27%
15 - 19	34,967	6%	69,243	7%	50%
20 - 29	79,236	13%	164,060	16%	48%
30 - 39	77,965	13%	122,736	12%	64%
40 - 49	76,297	12%	114,326	11%	67%
50 - 59	85,619	14%	121,325	12%	71%
60 - 69	107,000	17%	128,571	12%	83%
70 - 79	92,298	15%	93,065	9%	99%
80+	46,029	7%	50,474	5%	91%
Unknown	13	0%			0%

Total Vaccines Administered in Pima County by Manufacturer and by Week



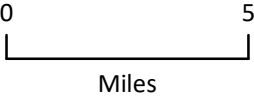
	Number	% administered
Vaccines administered	1,144,210	100%
Manufacturer		
Pfizer	578,732	51%
Moderna	523,625	46%
Janssen	40,120	3.51%
AstraZeneca	298	0.03%
Other	1,435	0.13%
Dose number administered		
First dose	616,519	54%
Second dose	516,830	45%
Third dose	10,849	1%
Fourth dose	11	0%
Fifth dose	1	0%

ATTACHMENT 3



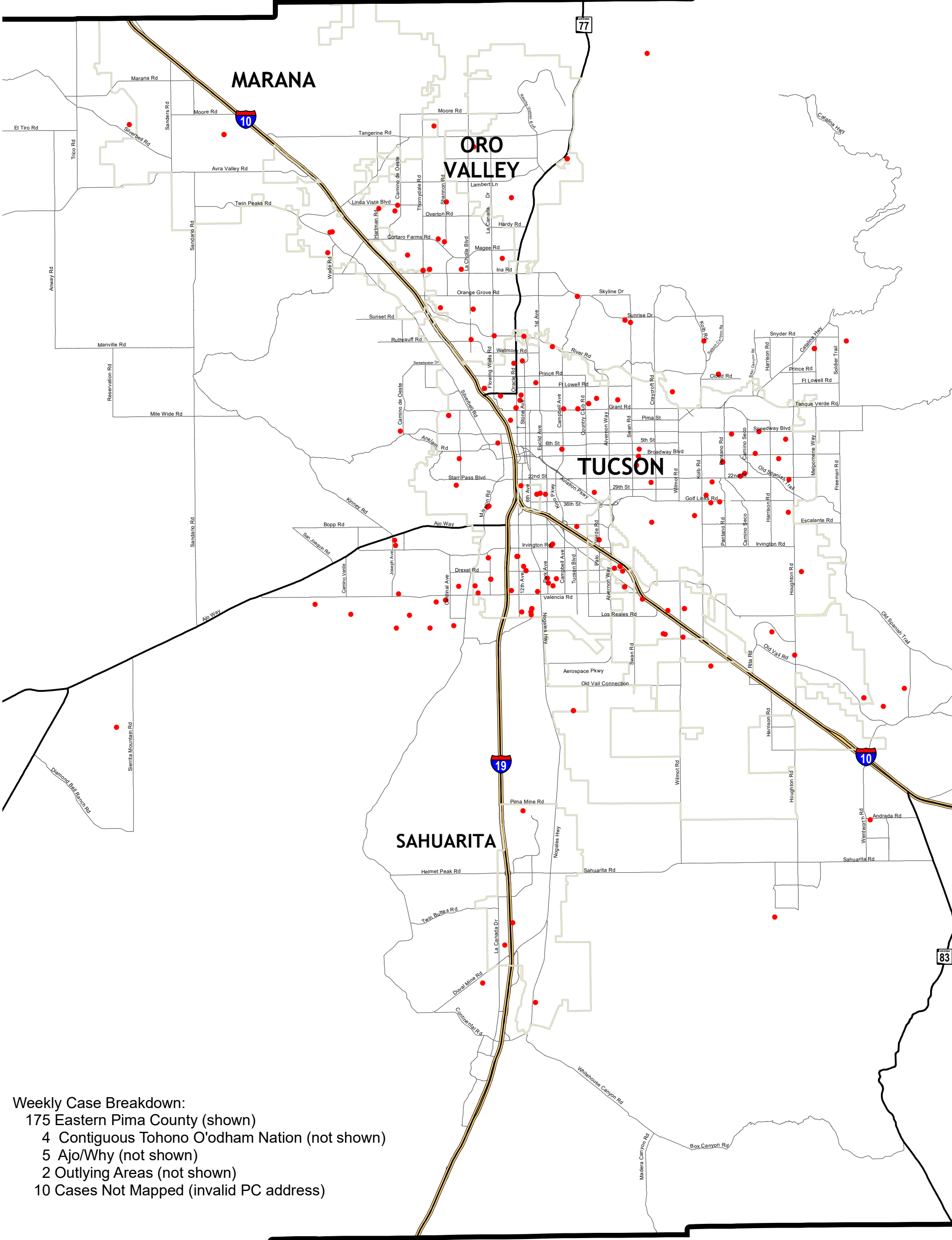
COVID-19
168 Cases by Test Collection Dates
between June 6 and June 12

● Case Location



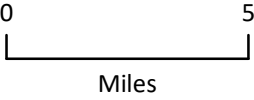

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33 N. Stone Ave., 15th Floor
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6/14/2021



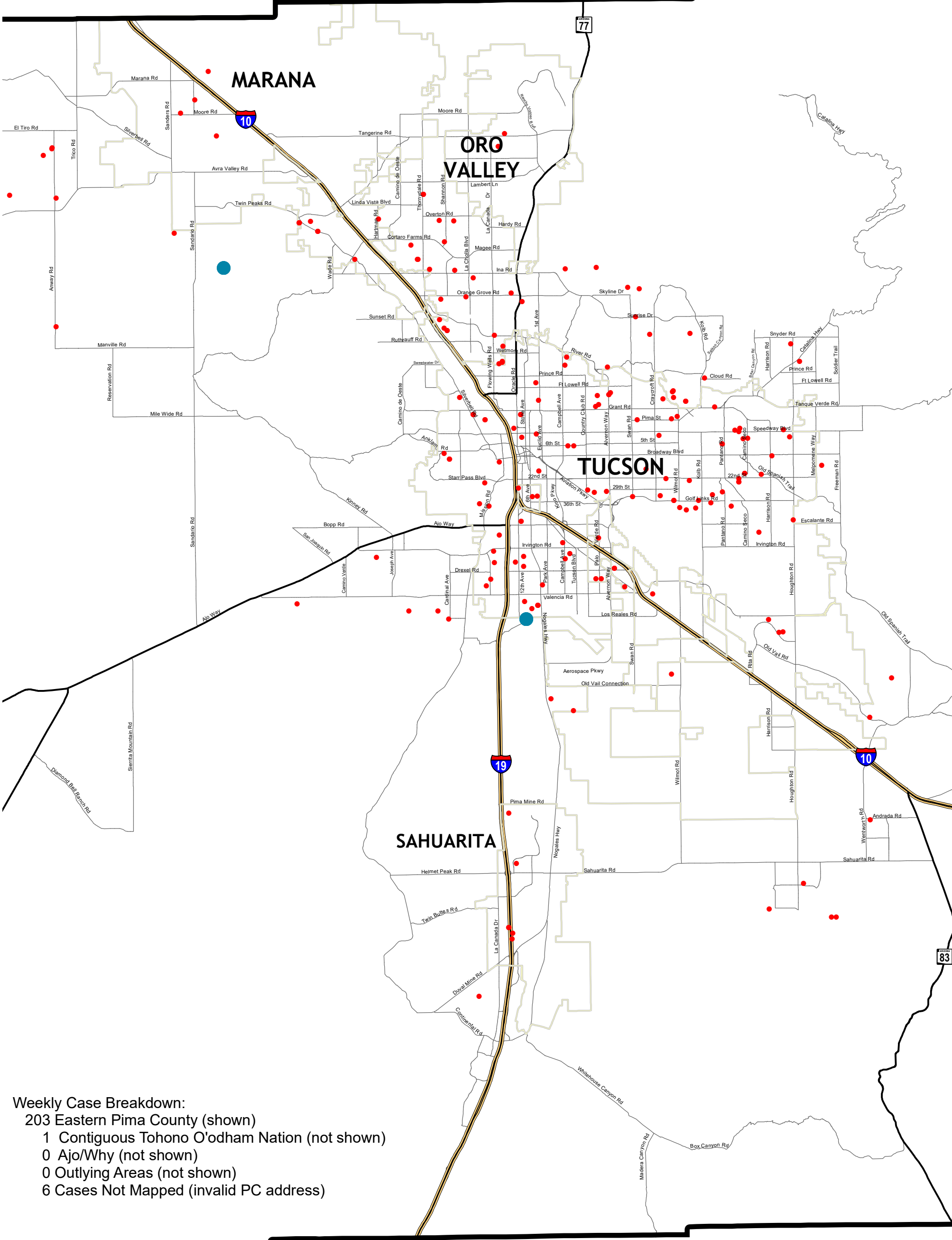
COVID-19
196 Cases by Test Collection Dates
between June 13 and June 19

● Case Location




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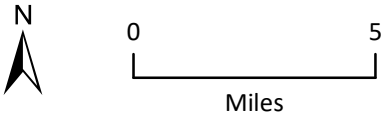



Weekly Case Breakdown:
203 Eastern Pima County (shown)
1 Contiguous Tohono O'odham Nation (not shown)
0 Ajo/Why (not shown)
0 Outlying Areas (not shown)
6 Cases Not Mapped (invalid PC address)

COVID-19

210 Cases by Test Collection Dates between June 20 and June 26

- Case Location
- Single Locations where Cases >= 5

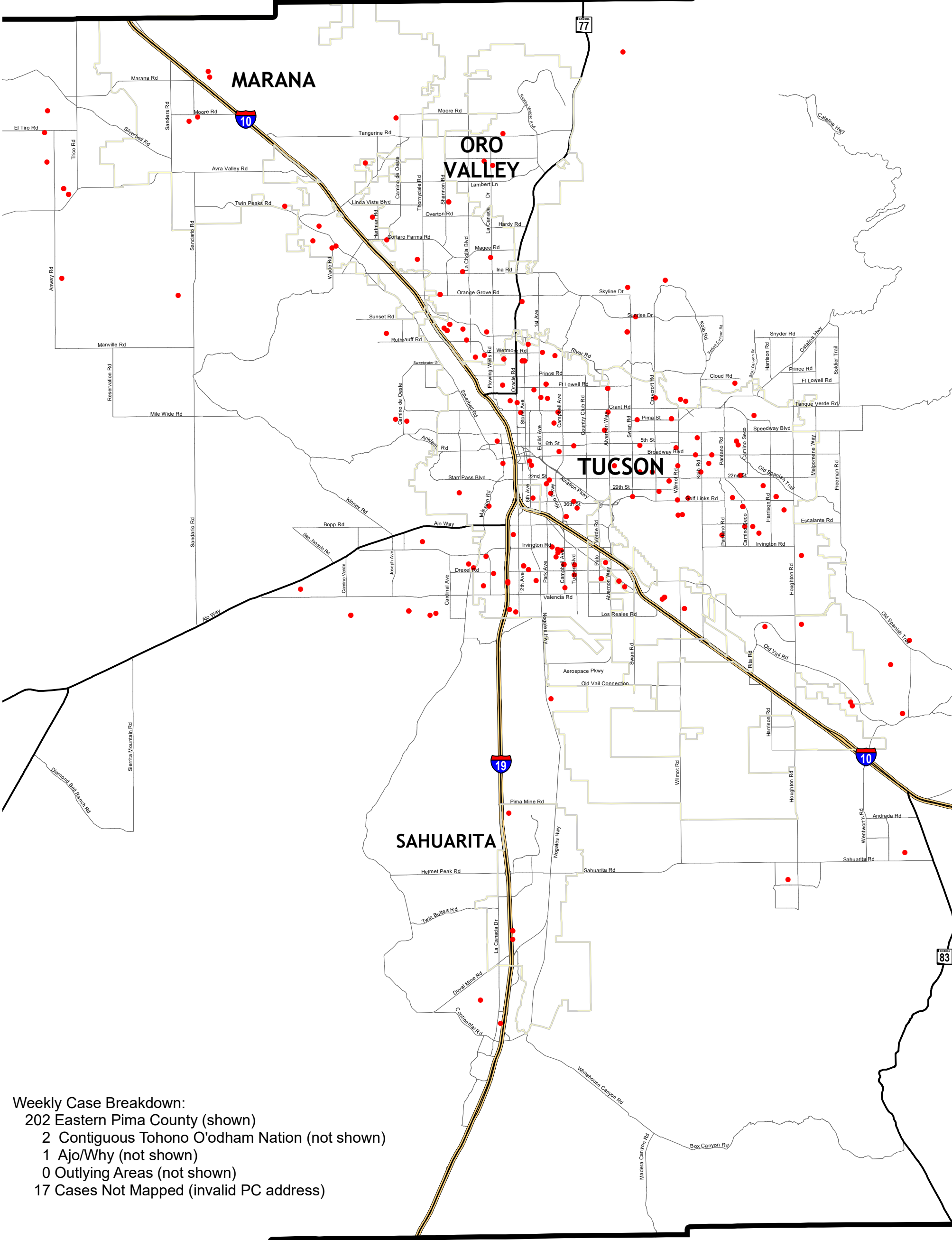




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6/30/2021

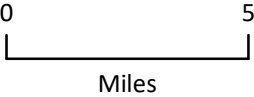


COVID-19

222 Cases by Test Collection Dates

between June 27 and July 3

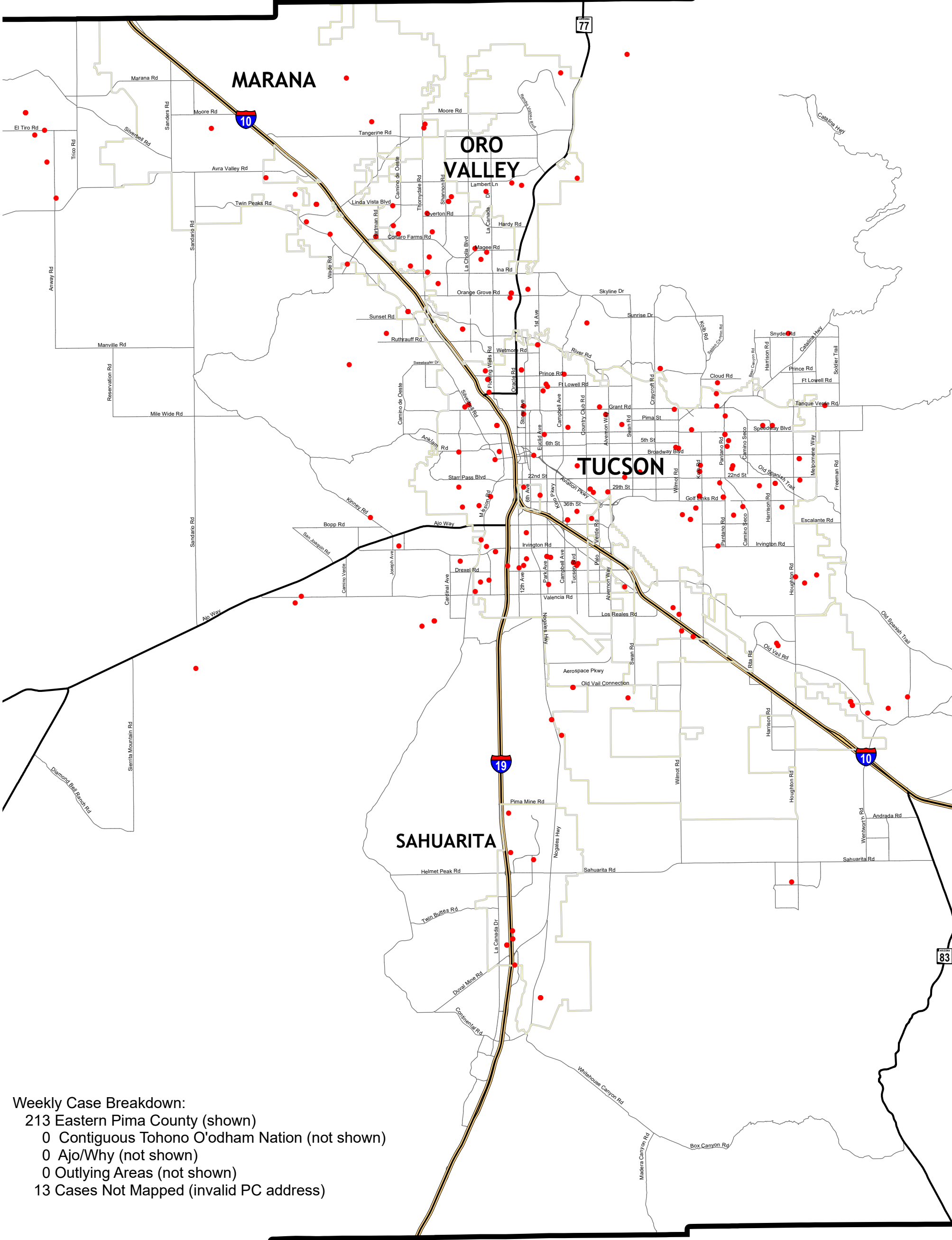
● Case Location



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7/6/2021

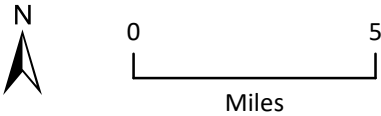


COVID-19

226 Cases by Test Collection Dates

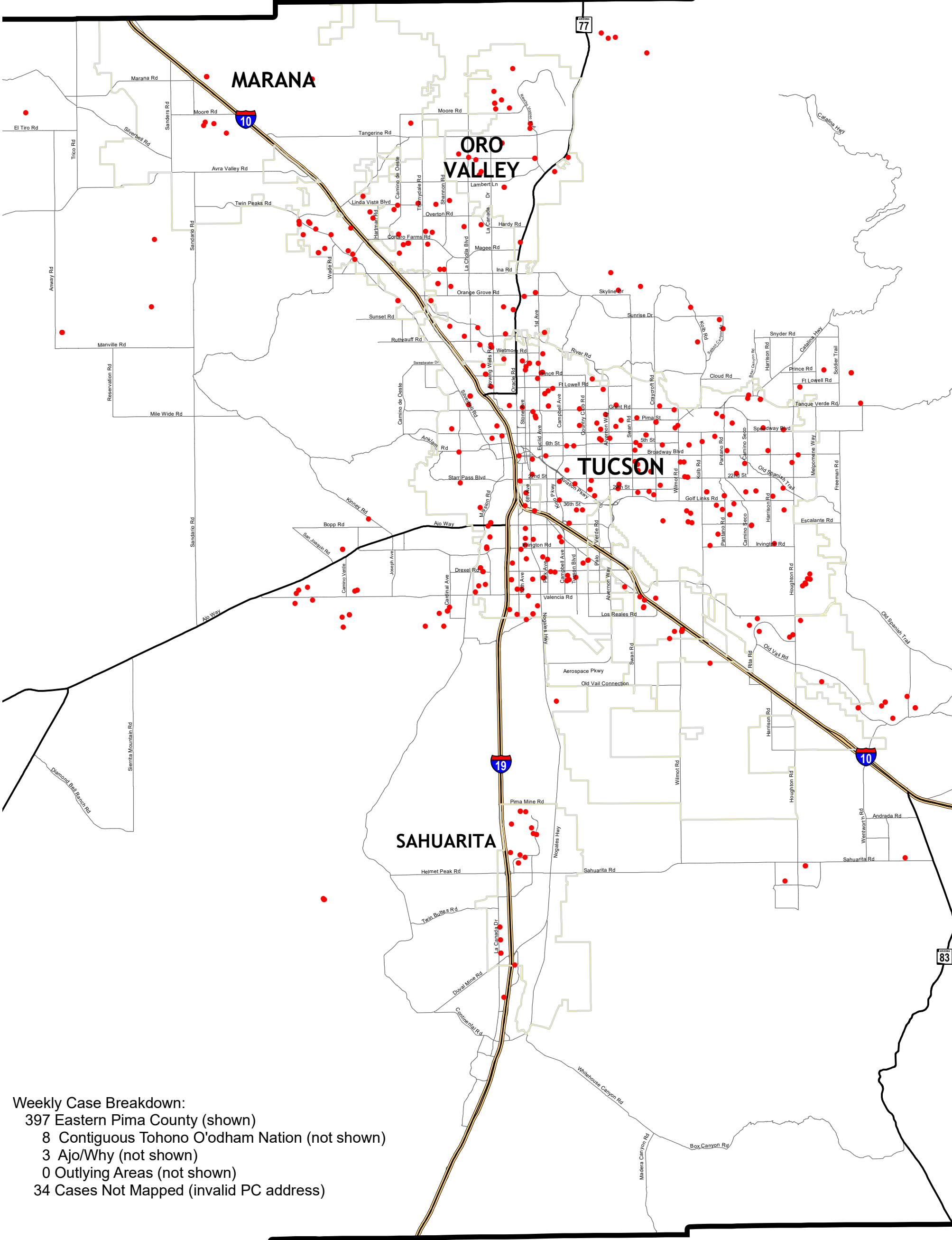
between July 4 and July 10

● Case Location




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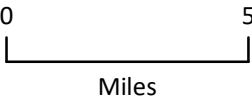
7/13/2021



Weekly Case Breakdown:
397 Eastern Pima County (shown)
8 Contiguous Tohono O'odham Nation (not shown)
3 Ajo/Why (not shown)
0 Outlying Areas (not shown)
34 Cases Not Mapped (invalid PC address)

COVID-19
442 Cases by Test Collection Dates
between July 11 and July 17

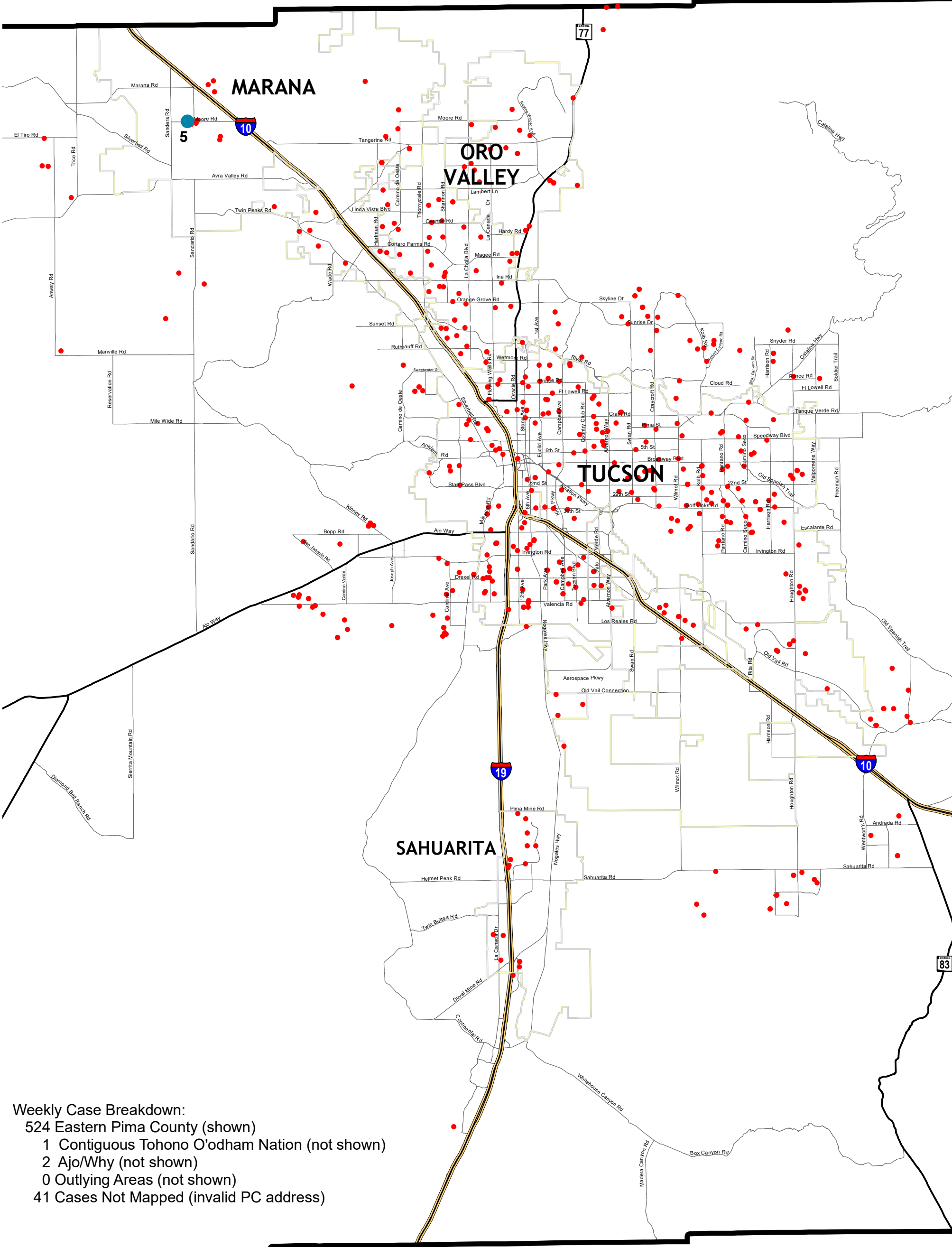
● Case Location



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7/20/2021

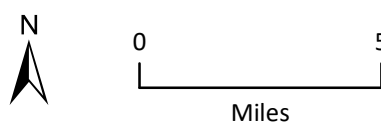


Weekly Case Breakdown:
524 Eastern Pima County (shown)
1 Contiguous Tohono O'odham Nation (not shown)
2 Ajo/Why (not shown)
0 Outlying Areas (not shown)
41 Cases Not Mapped (invalid PC address)

COVID-19

568 Cases by Test Collection Dates between July 18 and July 24

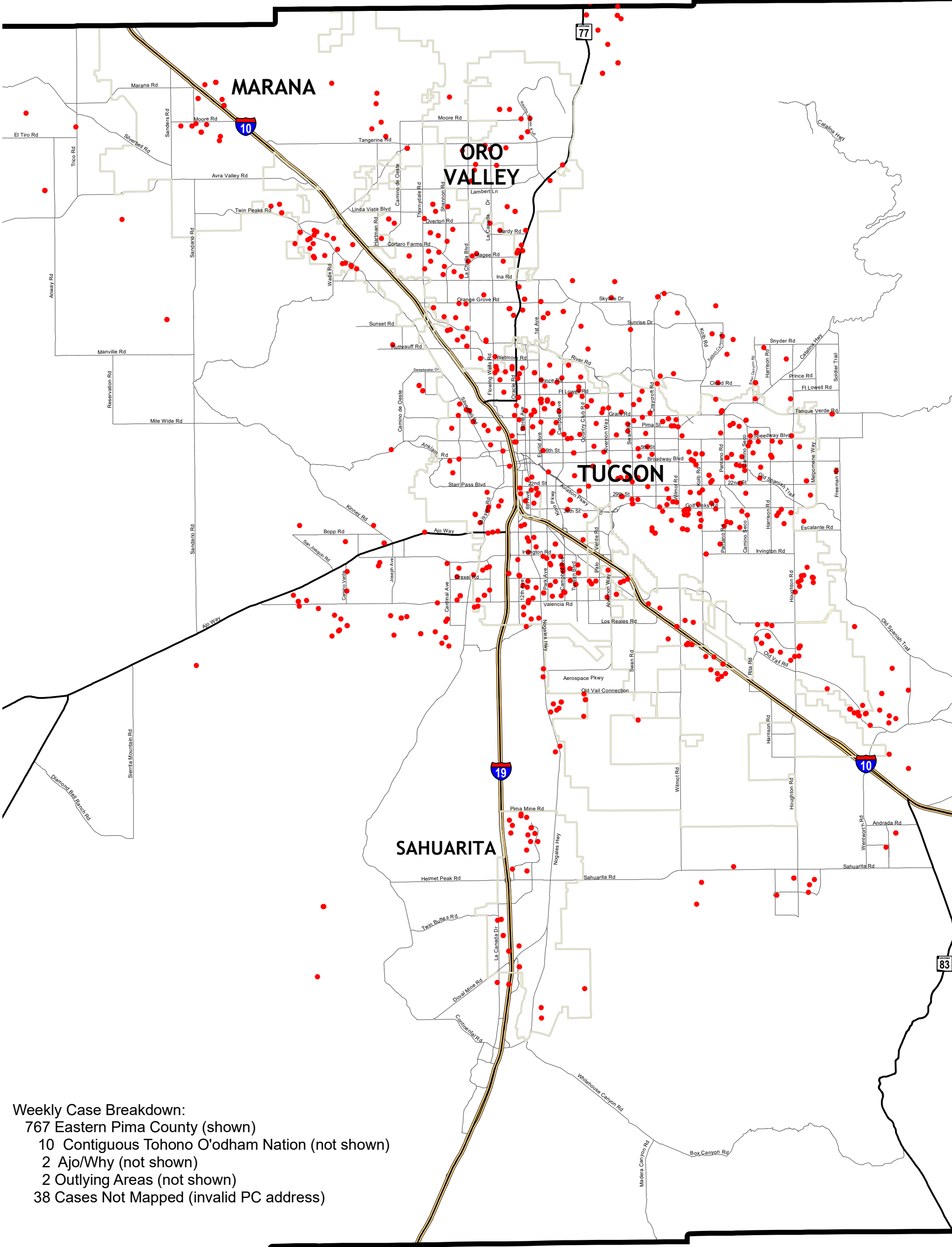
- Case Location
- Single Locations where Cases >= 5



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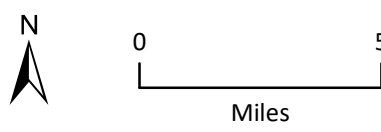
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7/27/2021

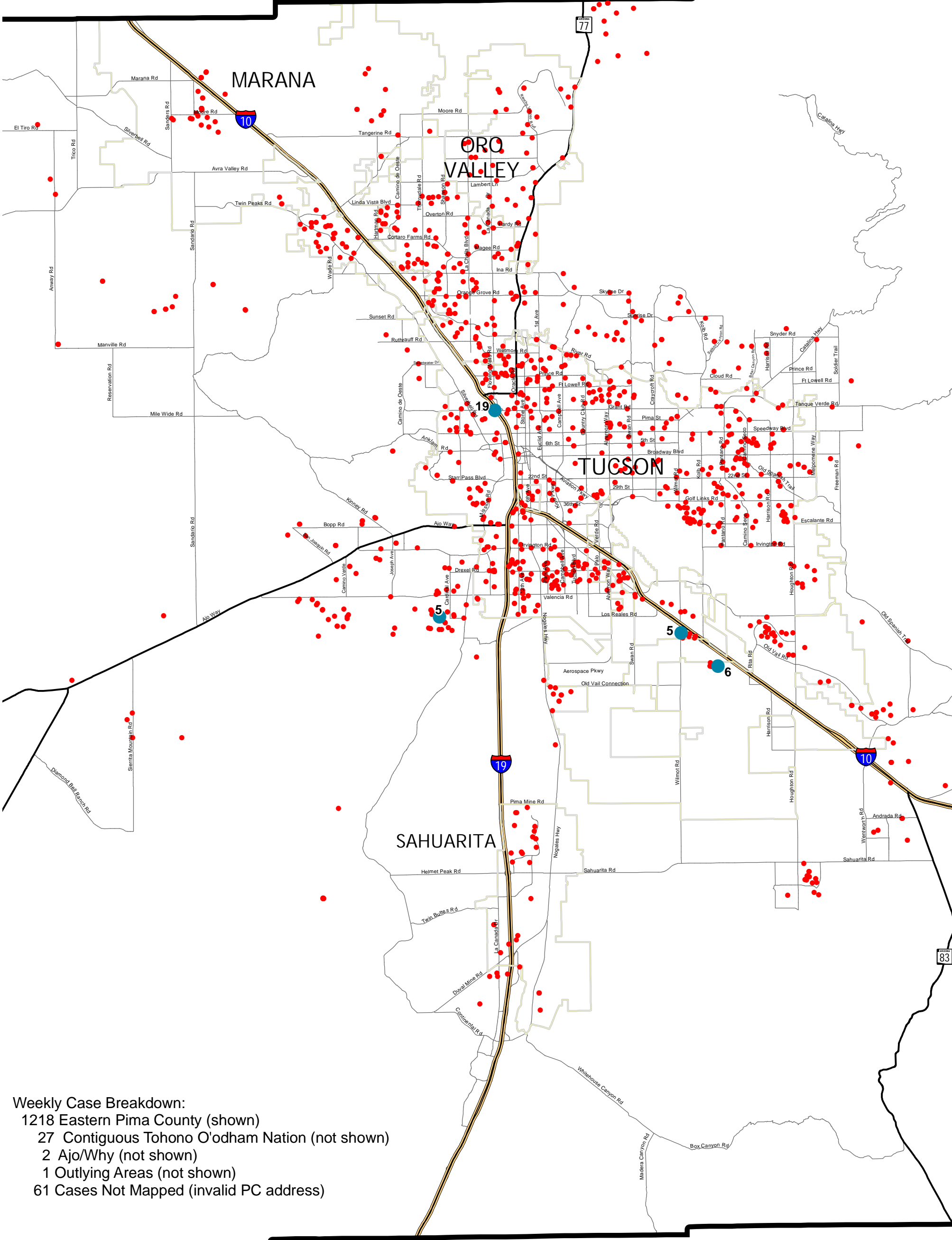


COVID-19
819 Cases by Test Collection Dates
between July 25 and July 31

● Case Location



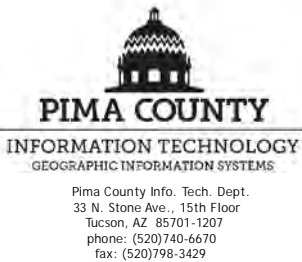
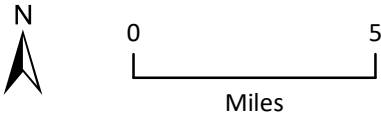
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8/3/2021



Weekly Case Breakdown:
1218 Eastern Pima County (shown)
27 Contiguous Tohono O'odham Nation (not shown)
2 Ajo/Why (not shown)
1 Outlying Areas (not shown)
61 Cases Not Mapped (invalid PC address)

COVID-19
1309 Cases by Test Collection Dates
between August 1 and August 7

- Case Location
- Single Locations where Cases ≥ 5



8/10/2021