Tohono O'odham Nation Health Care (TONHC)
COVID-19 Situation Update: November 3, 2021
T-Ñukuda Ha'icu Cihañig

This is a rapidly evolving situation. Information is recent as of November 3, 2021 at 7:00 and may change as more data becomes available.

COVID-19 Data among Members of Tohono O'odham Nation (TON)

Total Pandemic Cases	New Cases This Week	TONHC Percent Positive Tests This Week*	Total Pandemic Deaths **
2,187	42	15.8%	85

TONHC COVID-19 Vaccination Program

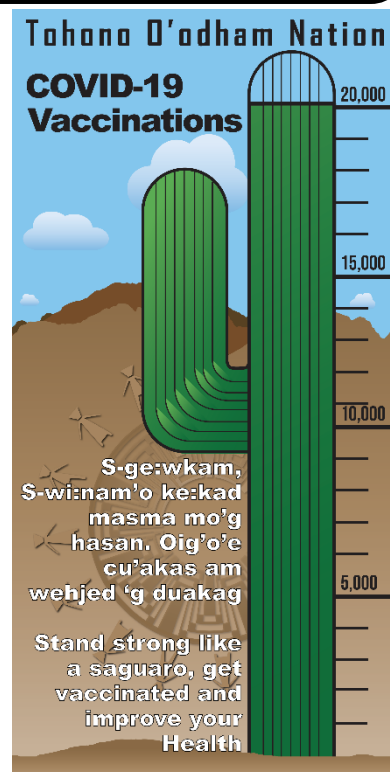| Number of people fully vaccinated	Total Doses Given to date	Points of Distribution (PODs) Completed	PODs Open This Week
10,556	20,226	366	12

What's New?

TOHONO O'ODHAM NATION CURRENT RISK LEVEL: HIGH

Low Transmission	Moderate Transmission	Substantial Transmission	High Transmission

The Centers for Disease Control and Prevention (CDC) issued updated recommendations about COVID-19 vaccines that now include children ages 5 years and up, boosters for some adults, and a special emphasis to get pregnant women vaccinated.

COVID-19 vaccination is currently recommended for:
- All persons ages 5 years and older
- People who are pregnant, breastfeeding, trying to get pregnant now, or might become pregnant in the future
- People who have been infected with COVID-19 once they recover
- People who received monoclonal antibody treatments (mAB), 90 days after treatment.
- Boosters for some adults. See details on the vaccination page

Tohono O'odham Nation COVID-19 Vaccinations

S-ge:wkam, S-wi:nam'o ke:kad masma mo'g hasan. Oig'o'e cu'akas am wehjed 'g duakag

Stand strong like a saguaro, get vaccinated and improve your Health

The children's Pfizer COVID-19 vaccine is a lower dose than for adults, and its efficacy is >90% protective against COVID-19 infection and appears to be near 100% protective against severe illness including hospitalization. TONHC will offer children's COVID-19 vaccinations and boosters for adults beginning November 10th.

Positive COVID-19 Cases

	Enrolled Member of Tohono O'odham Nation	Enrolled Member of Another Tribe or Other	Total
Residing within Boundaries of TON	1462	52	1514
Residing outside Boundaries of TON	725	326	1051
Total	2187	378	2565

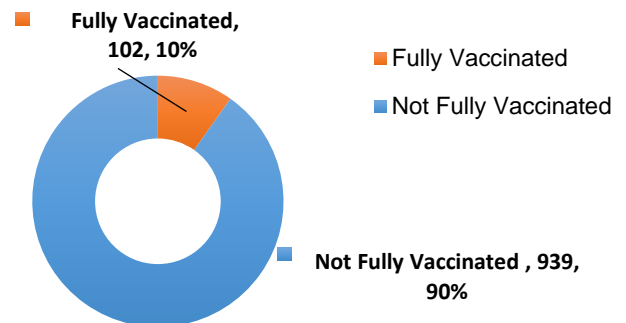*Includes non-TON members tested at TONHC
**Total Pandemic Cases & Deaths include non-tribal community members

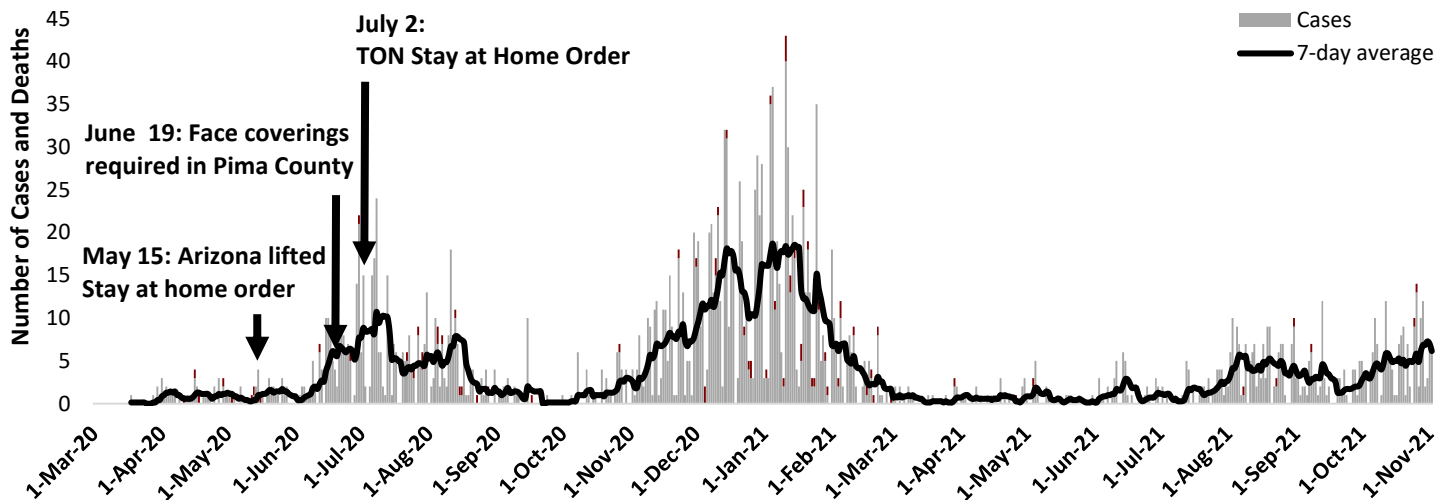TONHC Situation Update 11/03/2021 7:00

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COVID-19 Case data	TON	Pima County	AZ
Total Cases	2187	145,535	1,175,520
Number of cases in last 7 days	42	2,672	18,789
Incidence Rate last 7 days (per 100,000)	207	241	254
Percent Positivity last 7 days	15.8%	10.8%	11.1%
Cumulative Incidence Rate (per 100,000)	11,199	13,931	16,352
Number Deaths (% of total cases)	85 (4%)	2,756 (2%)	21,273 (2%)
Number Hospitalized (% of total cases)	270 (12%)	8,711 (6%)	80,364 (7%)

COVID-19 Cases among TON Members by Vaccination Status, 2021

Fully Vaccinated, 102, 10%

Not Fully Vaccinated , 939, 90%

- Fully Vaccinated
- Not Fully Vaccinated

Confirmed COVID-19 Cases and Deaths by Date among Enrolled Tohono O'odham Nation Members, 2020-2021

- Deaths
- Cases
- 7-day average

July 2: TON Stay at Home Order

June 19: Face coverings required in Pima County

May 15: Arizona lifted Stay at home order

TONHC COVID-19 Test Percent Positivity 7-day Average, 2020-2021

- 7-day percent positive
- 5% line
- 10% line
- 8% Line

15.8% 11/2/21

TON COVID-19 Vaccination Program

NEW (Nov 2021): COVID-19 Vaccines for children CDC now recommends that children between the ages of 5 and 11 years receive the Pfizer pediatric COVID-19 Vaccine. Widespread vaccination for COVID-19 is a critical tool to best protect everyone, especially those at highest risk, from severe illness and death.

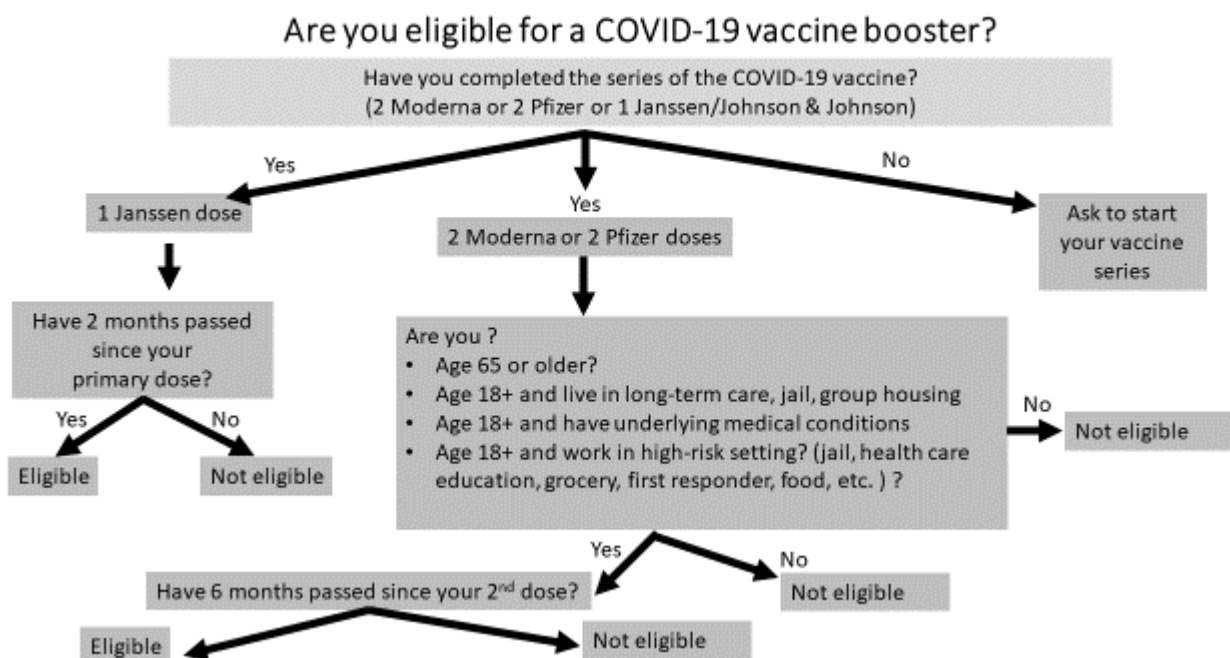**COVID-19 Vaccine is available through TONHC to:**
- TON members or other tribal members and TONHC patients
- Non-Native persons who work with or on the TON
- Non-Native persons who reside in a household with a tribal member (bring proof of residence)

CDC currently recommends COVID-19 vaccination for:
- Children ages 5 years and older
- Women who are pregnant, breastfeeding, trying to get pregnant now, or might become pregnant in the future,
- Persons who have been infected with COVID-19 once they recover and/or have completed isolation.
- Persons who received monoclonal antibody treatments (mAB), 90 days after treatment.

NEW (Oct 2021): CDC recommends boosters for persons who completed their first series, at least 6 months after the last dose of Moderna or Pfizer and at least 2 months after Janssen for:
- 65 years and older
- Age 18+ with medical conditions or disabilities (diabetes, overweight, heart, lung, kidney disease, etc.)
- Age 18+ who work or live in high-risk settings (long term care, detention centers, healthcare and first responders, grocery stores, transit, education, food and agriculture)
- Persons with weakened immune systems (28 days after completing initial series)

Are you eligible for a COVID-19 vaccine booster?

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COVID-19 Vaccinations	Completed COVID-19 Vaccine Series		At Least 1 COVID-19 Vaccine Administered		Population
	Percent (%)	(n)	Percent (%)	(n)	(n)
US Population 12 years & over**	68%		78%		
American Indian/Alaska Native	49%	9,251	54%	10,277	19,009*
Tohono O'odham Nation Member	54%	7,994	60%	8,867	14,676†
Residing on TON	60%	5,221	66%	5,746	8,670#

*American Indian/Alaska Native, vaccine eligible ages 12 years and older, at least 1 visit at TONHC in last 3 years, and TON members receving vaccine through PIMC
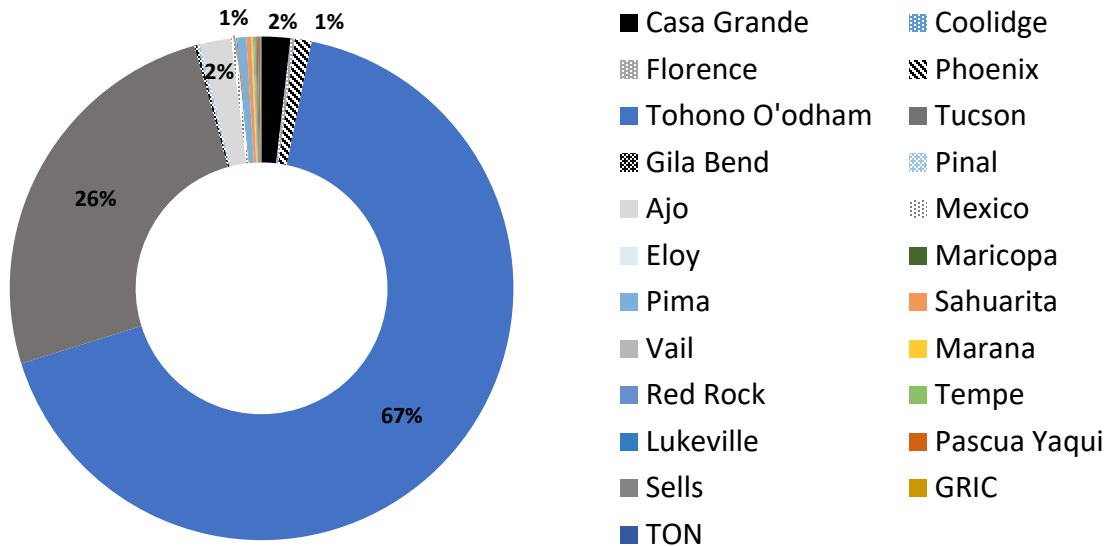†Enrolled TON member, vaccine eligible ages 12 years and older, at least one visit at TONHC in last 3 years, and TON members receving vaccine through PIMC
Enrolled TON members and non-members, vaccine eligible ages 12 years and older, at least one visit at TONHC in last 3 years, residing on TON, including TON members receving vaccine through PIMC
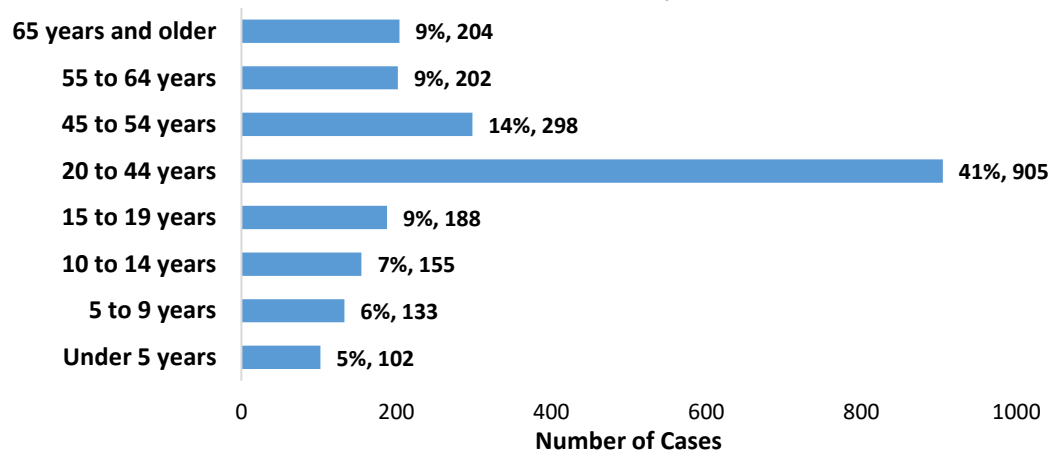**CDC | Data as of: November 2, 2021 6:00am ET. Posted: Tuesday, November 2, 2021 1:47 PM ET

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Region of Residence for COVID-19 Cases among Members of the Tohono O'odham Nation

1% · 2% · 1%
1%
2%
26%
67%

Legend:
- ■ Casa Grande
- ▦ Coolidge
- ▦ Florence
- ▨ Phoenix
- ■ Tohono O'odham
- ■ Tucson
- ▦ Gila Bend
- ▦ Pinal
- ▦ Ajo
- ▦ Mexico
- ■ Eloy
- ■ Maricopa
- ■ Pima
- ■ Sahuarita
- ■ Vail
- ■ Marana
- ■ Red Rock
- ■ Tempe
- ■ Lukeville
- ■ Pascua Yaqui
- ■ Sells
- ■ GRIC
- ■ TON

Some areas are less than 1%

Age Distribution of COVID-19 Cases among Tohono O'odham Members, 2020-2021

Age Group	Percentage, Number of Cases
65 years and older	9%, 204
55 to 64 years	9%, 202
45 to 54 years	14%, 298
20 to 44 years	41%, 905
15 to 19 years	9%, 188
10 to 14 years	7%, 155
5 to 9 years	6%, 133
Under 5 years	5%, 102

Number of Cases (x-axis: 0, 200, 400, 600, 800, 1000)

Median age of cases is 33

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Hospitalized COVID-19 Cases by Age Group
TON, 2020-2021

Age Group	Cases
65 years and older	73
55 to 64 years	67
45 to 54 years	52
20 to 44 years	77
Less than 20 years	4
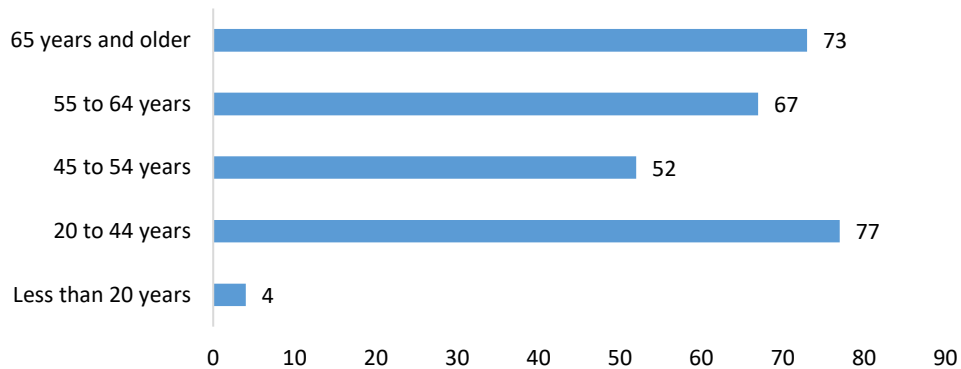
Underlying conditions of cases with COVID-19 among TON tribal members

Condition	Percent
Any Condition	67%
Obesity	56%
Diabetes	27%
Hypertension	25%
Lung	15%
Kidney	8%
Heart	4%
Immuno-compromised	3%
Pregnancy	1%
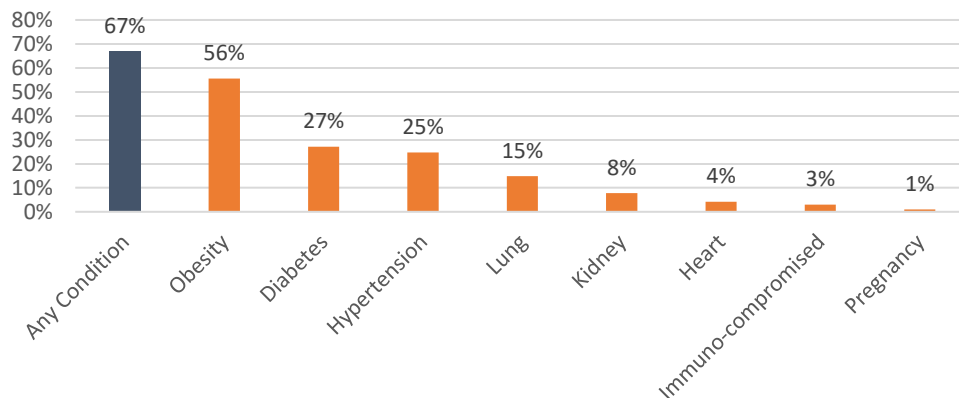
Underlying Conditions Among TON COVID-19 deaths

Condition	Percent
Any Condition	94%
Obesity	60%
Hypertension	74%
Diabetes	67%
Kidney	35%
Heart	28%
Lung	17%
Immuno-compromised	6%
Pregnancy	0%

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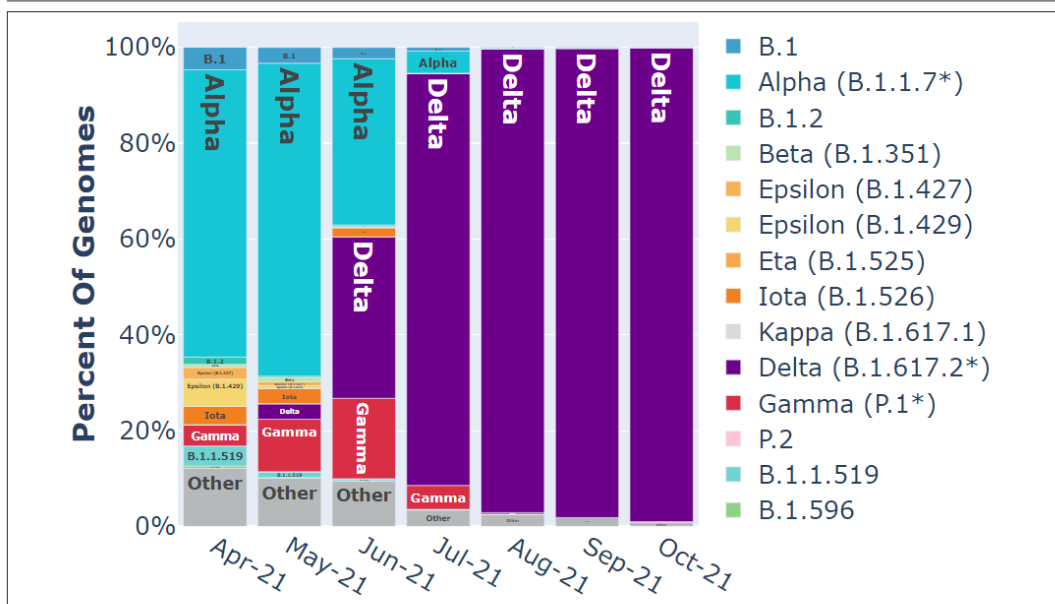
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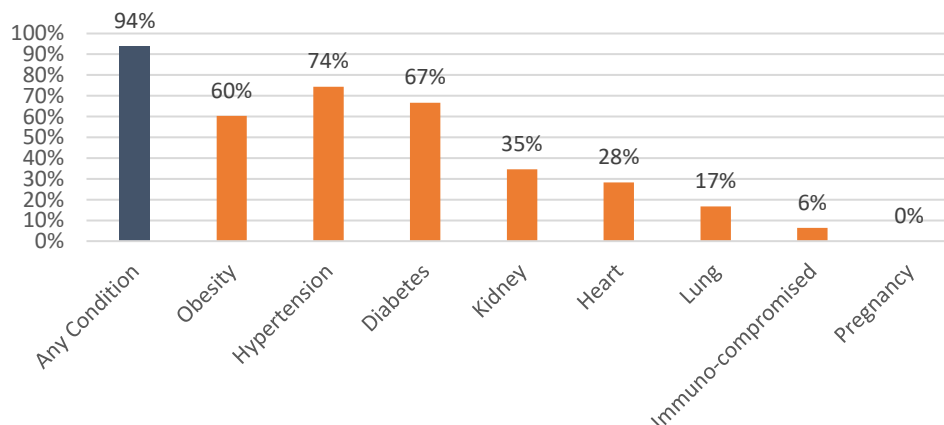
COVID-19 Variants

COVID-19 Variants reported from TONHC cases, Arizona Department of Health Services, 2021
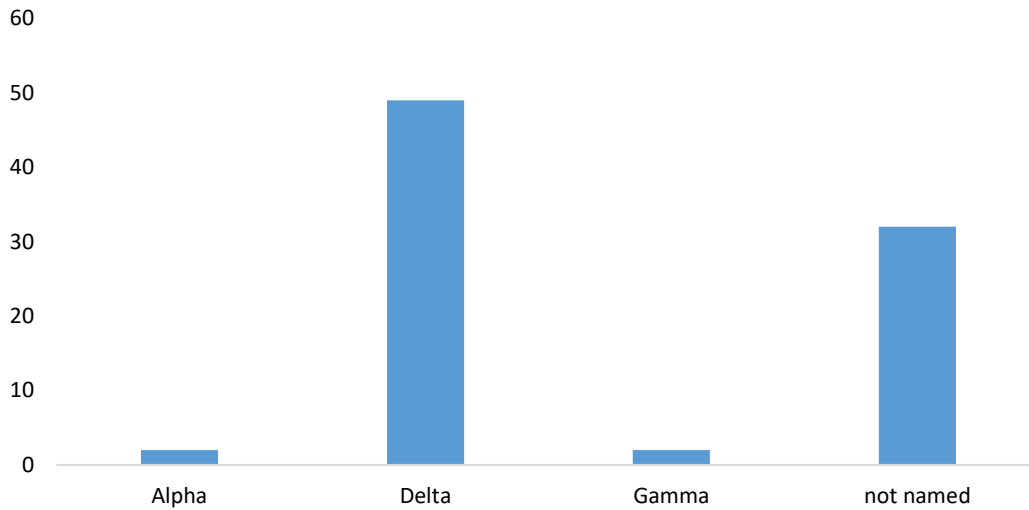
Variants in Arizona Genomes



Lineages are assigned by Pangolin (O'Toole et al *Virus Evolution*)

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COVID-19 Laboratory Testing at TONHC

19,439 Total COVID-19 Tests Performed at TONHC
536 Tests Performed in the Past 7 Days

Number of COVID-19 test performed to date at TONHC
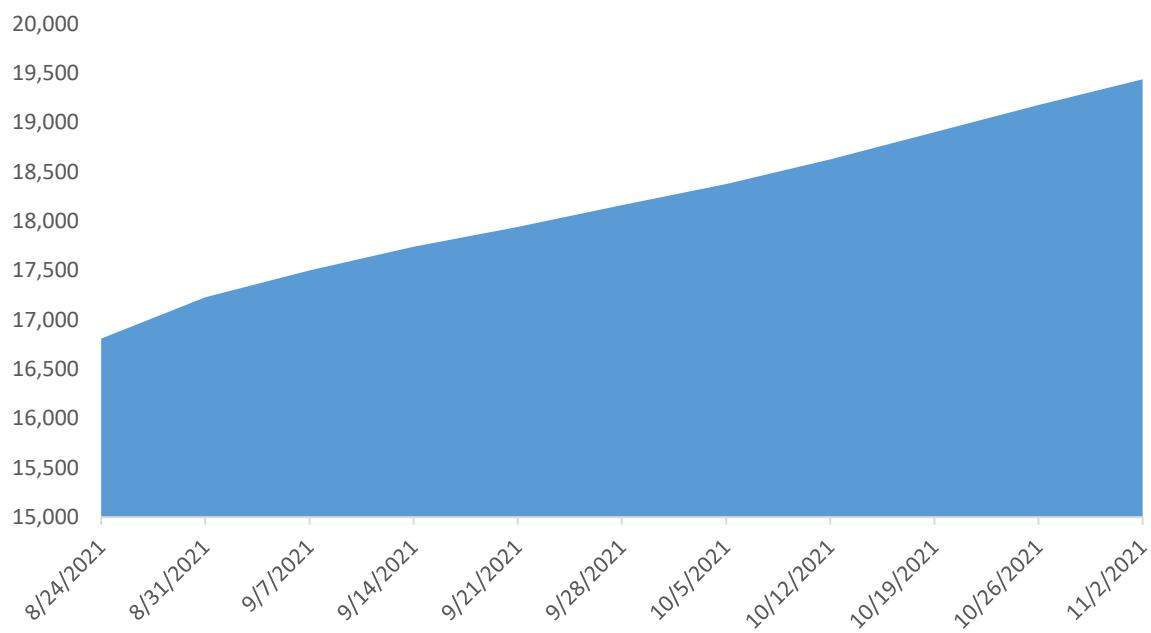
COVID-19 testing began at TONHC on March 23, 2020. Same-day testing is available at San Xavier, Sells, and San Simon Health Centers. On-site same-day testing began on April 20, 2020. There are two different in-house testing platforms currently: same-day/rapid test for symptomatic patients or same-day PCR testing (testing for SARS CoV-2, Flu A, Flu B, and RSV using one swab, starting February 1, 2021). Send-out testing is for specific cases. Effective 8/1/21, in-house antibody testing was discontinued, however testing can still be ordered and sent to the reference laboratory.

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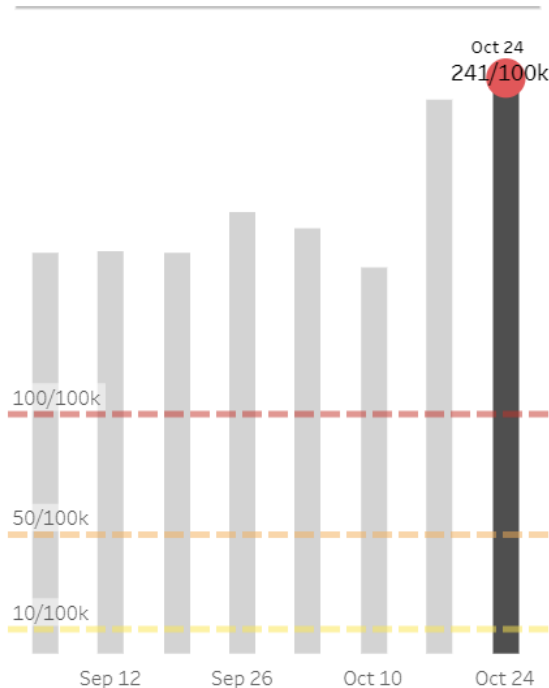
Arizona COVID-19 School Benchmarks

On March 2nd, 2021 CDC announced updated school guidance. The Arizona Department of Health Developed Community Transmission to Reflect Level of Community Risk: CDC recommends the use of two measures of community burden to determine the level of community transmission. These measures assess the incidence and spread of COVID-19 in the community, not the school itself. Risk is dependent on community level transmission **and** implementation of school and community mitigation strategies.
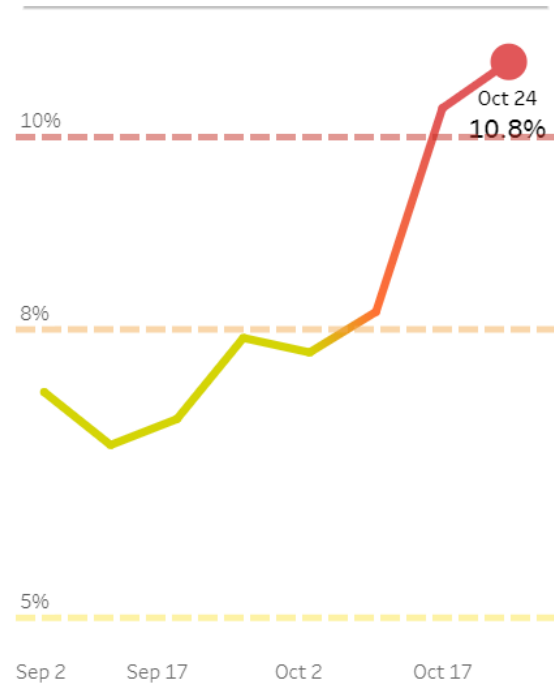
Showing data for **Pima County**

High Transmission
Hover for more information.

Cases per 100,000 individuals: **High**

Oct 24
241/100k

100/100k

50/100k

10/100k

Sep 12   Sep 26   Oct 10   Oct 24

Percent positivity: **High**

Oct 24
10.8%

10%

8%

5%

Sep 2   Sep 17   Oct 2   Oct 17

Date Updated: 11/4/2021

Indicator	Low Transmission	Moderate Transmission	Substantial Transmission	High Transmission
Total new cases per 100,000 persons in the last 7 days	**0 – 9**	**10 – 49**	**50 – 99**	**≥ 100**
Percentage of nucleic acid amplification tests (NAATs) that are positive during the past 7 days	**<5.0%**	**5.0% – 7.9%**	**8.0% – 9.9%**	**≥ 10.0%**

Arizona Department of Health Services, https://www.azdhs.gov/documents/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/novel-coronavirus/schools/school-benchmarks.pdf, accessed 3/11/21.

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Sells Emergency Department

Door to transfer time, the amount of time it takes to transfer a patient to another facility for higher-level care from the time they entered the emergency department, has increased dramatically for Sells Emergency Department since August 2021 due to COVID-19. September door to transfer time was over 500 minutes. As higher-level care hospitals continue to see increased COVID-19 cases, Sells ED patients will continue seeing increased wait times.

Month	Door-to-Transfer time for Sells Hospital ED	Total Visits
June 2021	262 minutes	753
July 2021	292 minutes	742
August 2021	402 minutes	859
September 2021	531 minutes	833
October 2021	439 minutes	761

Sells Hospital uses the Arizona Surge Line for all COVID-19 transfers outside of TONHC. The Arizona Surge Line is a 24/7 toll-free statewide system activated 4/22/20 to keep hospitals and regions of Arizona from being overwhelmed by facilitating COVID-19 patient admission, transfer, and discharge to appropriate levels of care.

SELLS INPATIENT UNIT

To minimize possible exposure and conserve personal protective equipment, visitors are not allowed on the inpatient ward. Exceptions are for pediatric patients, patients in labor, and other special circumstances. In accordance with state enhanced surveillance advisory related to COVID-19, daily information is reported to Arizona State using EMResource.

Med/Surge Bed Capacity – As of 11/3/2021, inpatient is currently staffed for one inpatient bed. No intensive care unit services
Negative Pressure Rooms – 2 inpatient rooms, 1 in emergency department (inpatient rooms are used by emergency department or other clinics when indicated).

Our outpatient clinic staff has been cross-trained in inpatient patient care and brought on contract health care employees to fill the critical short staffing of inpatient. Cross training and contractors will allow us to increase the number of patients we can take care of on the inpatient unit. Outpatient department (OPD) contractors (1FNP, 1RN) are cross-trained and assisting with inpatient's critical short staffing. Additional administrative assistance has been received from patient registration and other administrative staff to serve as unit clerks, providing an inpatient unit clerk 7-days a week. There are 8 full time TONHC employees that staff inpatient and assist with orientation. Once contractors complete training, the goal is to maintain a 1:4 nurse to patient ratio.

PUBLIC HEALTH NURSING – CONTACT TRACING

As of 11/3/21 at 7:00, 4,526 individual contact tracings have occurred in the Tohono O'odham Nation.

TONHC public health nursing conducts case investigation and contact tracing (involves interviewing). Case investigations are initiated on everyone who tests positive for COVID-19.

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APPENDIX

Confirmed COVID-19 Cases and Absolute Change among Enrolled Tohono O'odham Nation Members by Week, 2020-2021*

Week (2020)	Cumulative COVID-19 Cases Among Enrolled Tohono O'odham Tribal Members	Absolute Change§ in Cumulative Case Counts from Previous Week
June 24th – June 30th	208	
July 1st – July 7th	265	57
July 8th – July 14th	324	59
July 15th – July 21st	349	25
July 22nd – July 28th	382	33
July 29th – August 4th	421	39
August 5th – August 11th	468	47
August 12th – August 18th	501	33
August 19th – August 25th	513	12
August 26th – September 1st	523	10
September 2nd – September 8th	532	9
September 9th – September 15th	546	14
September 16th – September 22nd	546	0
September 23rd – September 29th	547	1
September 30th – October 6th	549	2
October 7th – October 13th	560	11
October 14th – October 20th	566	6
October 21st – October 27th	584	18
October 28th – November 3rd	597	13
November 4th – November 10th	637	40
November 11th – November 17th	687	50
November 18th – November 24th	744	57
November 25th – December 1st	805	61
December 2nd – December 8th	890	85
December 9th – December 15th	1017	127
December 16th – December 22nd	1109	92
December 23rd – December 29th	1191	82
December 30th – January 5th	1322	131
January 6th – January 12th	1444	122
January 13th – January 19th	1530	86
January 20th – January 26th	1624	94
January 27th – February 2nd	1671	47
February 3rd – February 9th	1705	34
February 10th - February 16th	1728	23
February 17th – February 23rd	1746	18
February 24th – March 2nd	1752	6
March 3rd – March 9th	1758	6
March 10th – March 16th	1759	1
March 17th – March 23rd	1761	2
March 24th – March 30th	1763	2
March 31st – April 6th	1764	1

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April 7th – April 13th	1766	2
April 14th – April 20th	1770	4
April 21st- April 27th	1772	2
April 28th – May 4th	1780	8
May 5th – May 11th	1789	9
May 12th – May 18th	1790	1
May 19th – May 25th	1793	3
May 26th – June 1st	1794	1
June 2nd – June 8th	1800	6
June 9th – June 15th	1818	18
June 16th – June 22nd	1820	2
June 23rd – June 29th	1823	3
June 30 – July 6th	1825	2
July 7th – July 13th	1832	7
July 14th –July 20th	1839	7
July 21st – July 27th	1850	11
July 28th – August 3rd	1876	26
August 4th – August 10th	1897	21
August 11th – August 17th	1925	28
August 18th – August 24th	1950	25
August 25th – August 31st	1976	26
September 1st – September 7th	1991	15
September 8TH – September 14th	2010	19
September 15th – September 21st	2014	4
September 22nd – September 28th	2026	12
September 29th – October 5th	2041	15
October 6th – October 12th	2078	37
October 13th – October 19th	2106	28
October 20th – October 26th	2145	39
October 27th – November 2nd	2187	42

*changes due to added cases

Confirmed COVID-19 Cases and Absolute Change among Enrolled Tohono O'odham Nation Members Residing within the Tohono O'odham Nation by Week, 2020-2021*

Week (2020)	Cumulative COVID-19 Cases Among Enrolled Tohono O'odham Tribal Members Residing within the Tohono O'odham Nation Boundary	Absolute Change§ in Cumulative Case Counts from Previous Week
June 24th – June 30th	87	
July 1st – July 7th	116	29
July 8th – July 14th	163	47
July 15th – July 21st	182	19
July 22nd – July 28th	204	22
July 29th – August 4th	234	30
August 5th – August 11th	272	38
August 12th – August 18th	299	27
August 19th – August 25th	309	10
August 26th – September 1st	319	10

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September 2nd – September 8th	326	7
September 9th – September 15th	340	14
September 16th – September 22nd	340	0
September 23rd – September 29th	340	0
September 30th – October 6th	341	1
October 7th – October 13th	349	8
October 14th – October 20th	352	3
October 21st – October 27th	358	6
October 28th – November 3rd	369	11
November 4th – November 10th	402	32
November 11th – November 17th	437	35
November 18th – November 24th	485	48
November 25th – December 1st	528	43
December 2nd – December 8th	589	61
December 9th – December 15th	685	96
December 16th – December 22nd	747	62
December 23rd – December 29th	796	49
December 30th – January 5th	884	88
January 6th – January 12th	969	85
January 13th – January 19th	1031	62
January 20th – January 26th	1106	75
January 27th – February 2nd	1137	31
February 3rd – February 9th	1166	29
February 10th - February 16th	1179	13
February 17th – February 23rd	1191	12
February 24th – March 2nd	1195	4
March 3rd – March 9th	1199	4
March 10th – March 16th	1200	1
March 17th – March 23rd	1202	2
March 24th – March 30th	1204	2
March 31st – April 6th	1204	0
April 7th – April 13th	1204	0
April 13th – April 20th	1207	3
April 21st – April 27th	1207	0
April 28th – May 4th	1211	4
May 5th – May 11th	1220	9
May 12th – May 18th	1221	1
May 19th – May 25th	1223	2
May 26th – June 1st	1224	1
June 2nd – June 8th	1228	4
June 9th – June 15th	1244	16
June 16th – June 22nd	1245	1
June 23rd – June 29th	1246	1
June 30 – July 6th	1247	1
July 7th – July 13th	1253	6
July 14th – July 20th	1258	5

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July 21st – July 27th	1263	5
July 28th – August 3rd	1282	19
August 4th – August 10th	1294	12
August 11th – August 17th	1312	18
August 18th – August 24th	1324	12
August 25th – August 31st	1339	15
September 1st – September 7th	1344	5
September 8th – September 14th	1353	9
September 15th – September 21st	1355	2
September 22nd – September 28th	1363	8
September 29th – October 5th	1370	7
October 6th – October 12th	1395	25
October 13th – October 19th	1409	14
October 20th – October 26th	1436	27
October 27th – November 2nd	1462	26

*Changes due to added cases and reclassification of residence

TONHC COVID-19 Positive Test Results and Absolute Change by Week, 2020-2021

Week (2020)	TONHC Cumulative Positive COVID-19 Test Results	Absolute Change[†] in Positive Test Results from Previous Week
June 24th – June 30th	153	
July 1st – July 7th	202	49
July 8th – July 14th	251	49
July 15th – July 21st	278	27
July 22nd – July 28th	302	24
July 29th – August 4th	342	40
August 5th – August 11th	382	40
August 12th – August 18th	403	21
August 19th – August 25th	416	13
August 26th – September 1st	426	10
September 2nd – September 8th	431	5
September 9th – September 15th	444	13
September 16th – September 22nd	445	1
September 23rd – September 29th	447	2
September 30th – October 6th	449	2
October 7th – October 13th	457	8
October 14th – October 20th	464	7
October 21st – October 27th	487	23
October 28th – November 3rd	505	18
November 4th – November 10th	549	44
November 11th – November 17th	604	55
November 18th – November 24th	667	63
November 25th – December 1st	725	58
December 2nd – December 8th	824	99
December 9th – December 15th	962	138
December 16th – December 22nd	1066	104

December 23rd – December 29th	1148	82
December 30th – January 5th	1276	128
January 6th – January 12th	1409	133
January 13th – January 19th	1497	88
January 20th – January 26th	1584	87
January 27th – February 2nd	1630	46
February 3rd – February 9th	1664	34
February 10th - February 16th	1689	25
February 17th – February 23rd	1706	17
February 24th – March 2nd	1711	5
March 3rd – March 9th	1723	12
March 10th – March 16th	1729	6
March 17th – March 23rd	1731	2
March 24th – March 30th	1736	5
March 31st – April 6th	1739	3
April 7th – April 13th	1743	4
April 13th – April 20th	1747	4
April 21st – April 27th	1748	1
April 28th – May 4th	1755	7
May 5th – May 11th	1764	9
May 12th – May 18th	1765	1
May 19th – May 25th	1768	3
May 26th – June 1st	1768	0
June 2nd – June 8th	1774	6
June 9th – June 15th	1792	18
June 16th – June 22nd	1794	2
June 23rd – June 29th	1798	4
June 30 – July 6th	1800	2
July 7th – July 13th	1803	3
July 14th – July 20th	1810	7
July 21st – July 27th	1823	13
July 28th – August 3rd	1853	30
August 4th – August 10th	1878	25
August 11th – August 17th	1906	28
August 18th – August 24th	1932	26
August 25th August 31st	1965	33
September 1st – September 7th	1978	13
September 8th – September 14th	1996	18
September 15th – September 21st	2005	9
September 22nd – September 28th	2019	14
September 29th – October 5th	2035	16
October 6th – October 12th	2075	40
October 13th – October 19th	2102	27
October 20th – October 26th	2141	39
October 27th – November 2nd	2183	42

TONHC Situation Update 11/03/2021 7:00
Wear a mask, physically distance, and wash your hands to protect Tohono O'odham Nation

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