

COVID-19 Update

May 11, 2021

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Tarrant County COVID-19 Statistics

Metric	Last Council Presentation (04/20/21)	Today's Presentation (05/11/21)	Percentage (Inc./Dec)
Total Number of Cases	254,590	258,423	+2%
New Cases - 7 Day Total	1,238	1,047	-15%
Deaths	3,374	3,456	+2%
Vaccine – 1st Shot	508,951 (24%)	578,826 (28%)*	+14%
Fully Vaccinated	319,580 (15%)	437,690 (21%)*	+37%

**Vaccine information updated every Wednesday (above information from 05/05/21)*

**Percentage of Tarrant County residents who have received the vaccine*

Global Confirmed: 158,446,875

Global Deaths: 3,295,405

Source: John's Hopkins University (05/10/21)

U.S. Confirmed: 32,711,361

U.S. Deaths: 581,791

Source: John's Hopkins University (05/10/21)

COVID-19 Current Risk Status

Key Public Health Metrics	Are We Meeting Objective
Reproduction Number (R Naught) Less Than 1.0	Yes
Sustained or declining virus numbers over 14 days	Yes
Sufficient/available hospital beds/resources	Yes
Widely available viral testing and lab capacity	Yes
Effective Contact Tracing to contain viral spread	Yes
Available Personal Protective Equipment (PPE)	Yes
COVID-19 Vaccines	Yes

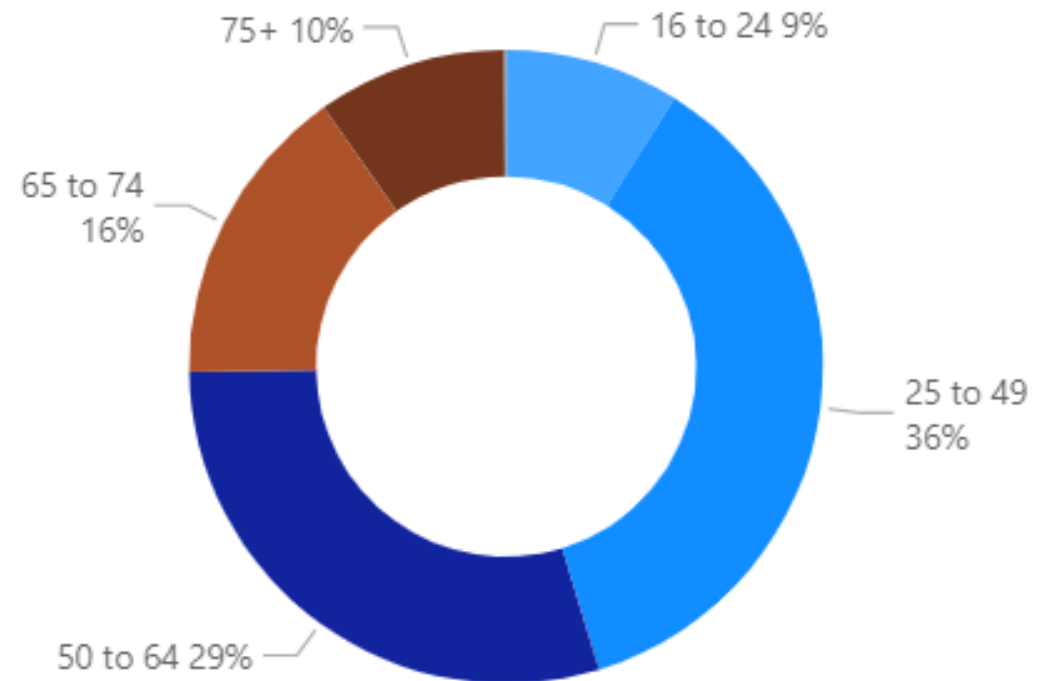
COVID Vaccine Administered

1,199,789 Total Doses Administered

- 998,670 Tarrant County Residents (83%)
- 201,119 Out of County Residents (17%)
- 378,438 Administered by TCPH
- 821,351 Administered by Other Providers

Evening door-to-door outreach and education continue to be a priority!

Residents Vaccinated by Age Group



Fort Worth Vaccination Strategy

- City of Fort Worth is **now a registered vaccine provider.**
- Offering outreach in communities through strategic communications and door-to-door canvassing – Education is key!
- **Move away from large hub locations like Farrington Field.**
- **Focus on smaller, neighborhood clinics:**
 - Pop-up, one-day neighborhood sites to continue.
 - Roving team sites, similar to testing network, to return soon.
 - Places of worship, community centers, and other venues with large, indoor spaces can request to host events with online web form or by calling hotline: call or email: 817-392-8478 or COVID19@FortWorthTexas.gov



City Vaccine Registration

- **Easy, streamlined process** – English and Spanish – paperless; QR code options.
- No insurance or cash payment required; **NO COST**
- **Any form of ID will be considered** (e.g., passport, non-U.S. IDs)
- Can't take off for an appointment? Staff will find solution for you!

Scan QR Code



Please call or email: 817-392-8478 or COVID19@FortWorthTexas.gov

Testing Options Still Available

- Pharmacies, hospitals, doctor's offices and private contractor sites are available – free with health insurance or cash payment option.
- **Free testing** (provided by the State of Texas) is still available in Tarrant County:
 - **TCC - Southeast Campus** (9 a.m. - 5 p.m. daily; cheek swab method)
2100 Southeast Parkway, Arlington, TX 76108
 - **Tarrant County Northeast Annex** (9 a.m. - 5 p.m. daily; cheek swab method)
837 Brown Trail, Bedford, TX 76022
- Can't locate a test? Staff will find solution for you! Please call or email: 817-392-8478 or COVID19@FortWorthTexas.gov

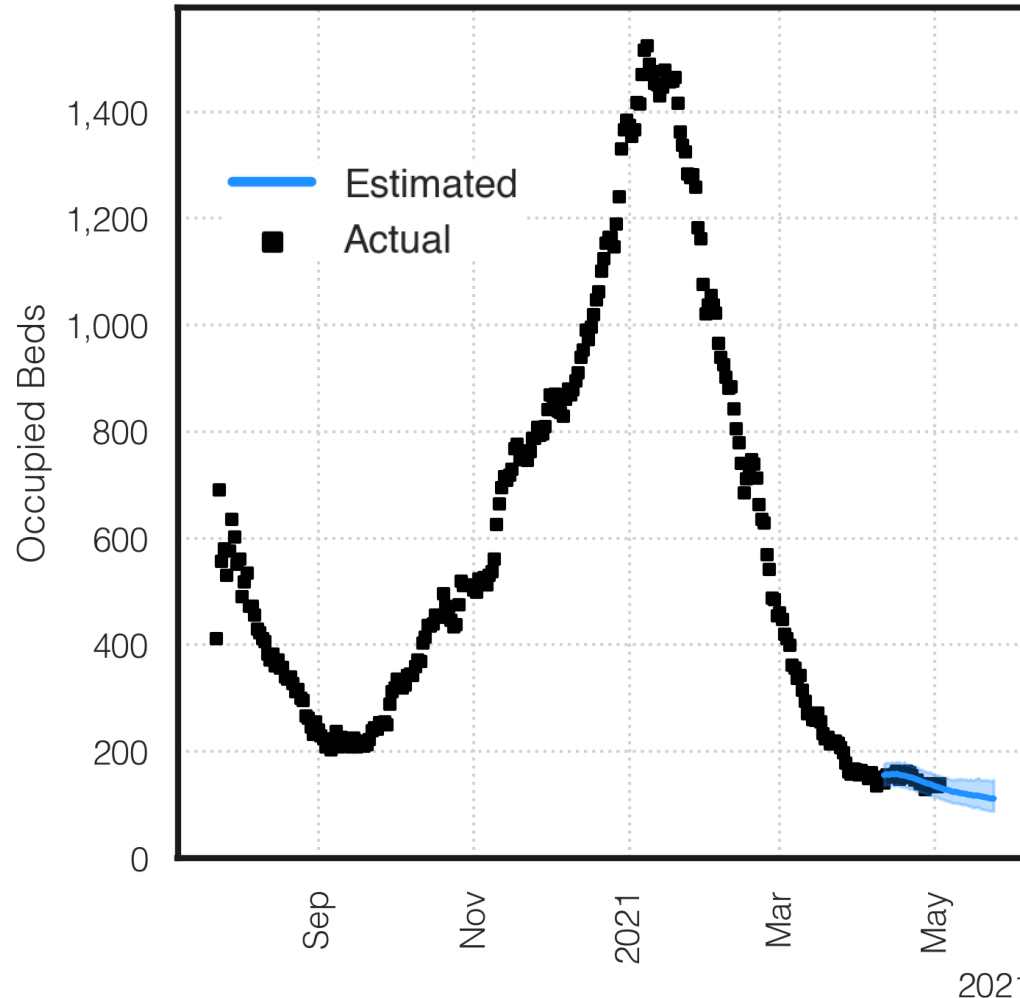
COVID-19 Update for
City of Fort Worth Work Group
May 11, 2021

Keith Argenbright, M.D.
Director of Moncrief Cancer Institute

NOTE: The information in the presentation cannot be shared without the verbal presentation and information cannot be changed.

COVID-19 Hospitalizations in Tarrant County: Past, Present, and Future Forecasting

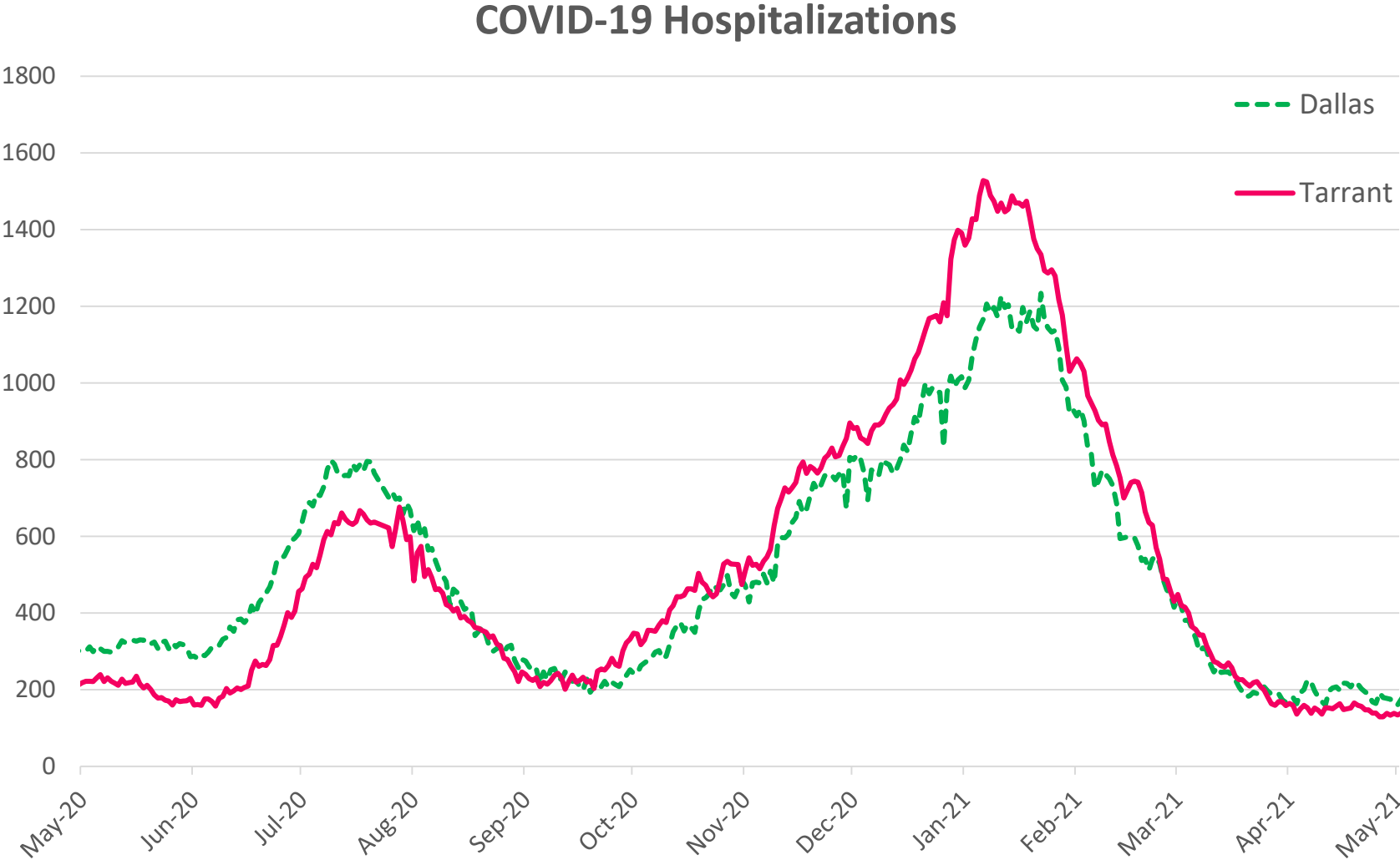
Hospitalized COVID-19+ Patients: Past and Predicted



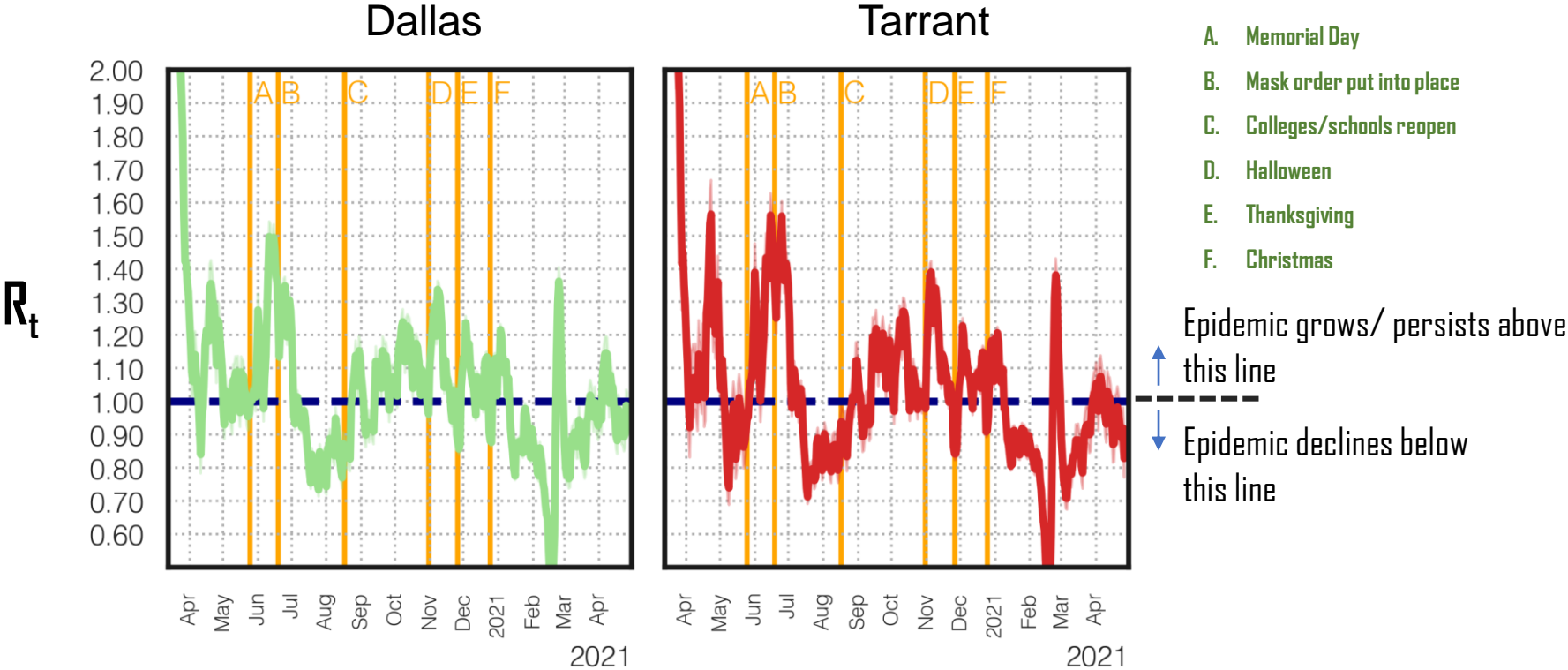
- COVID-19 hospitalizations (black squares) have decreased by 10% over the past two weeks.
- The **blue line** shows the estimated number of hospitalizations for the last three weeks, as well as our 21-day forecast starting from 5/4.
- Tarrant County **total COVID-19 hospitalizations** are predicted to reach 100-150 concurrent hospitalized cases by May 24.
- **Roughly 140 new COVID-19 infections per day** are expected by May 24.

COVID-19 Modeling

Comparing COVID-19 Hospitalizations in Tarrant and Dallas Counties



How Contagious Was COVID-19 in DFW Two Weeks Ago?



These graphs show the R_t value as of two weeks ago, calculated using the date positive tests were collected. The R_t value appears to have been oscillating around 1 in Dallas County and Tarrant County two weeks ago. Storm-related testing disruptions skewed the apparent R_t values in late February.

Source: Dallas County HHS, Accessed 5/4 up to specimen collection date of 4/26; Tarrant County PH, Accessed 5/3; data for positive tests with a specimen collection date of 4/26 or earlier.
1) Cori, A. et al. A new framework and software to estimate time-varying reproduction numbers during epidemics (AJE 2013).
2) Assumes serial interval follows gamma distribution as calculated in Nishiura, et al. "Serial interval of novel coronavirus (COVID-19) infections." *Int J Infect Dis*, 2020 Mar 4;93:284-286. doi:10.1016/j.ijid.2020.02.060.

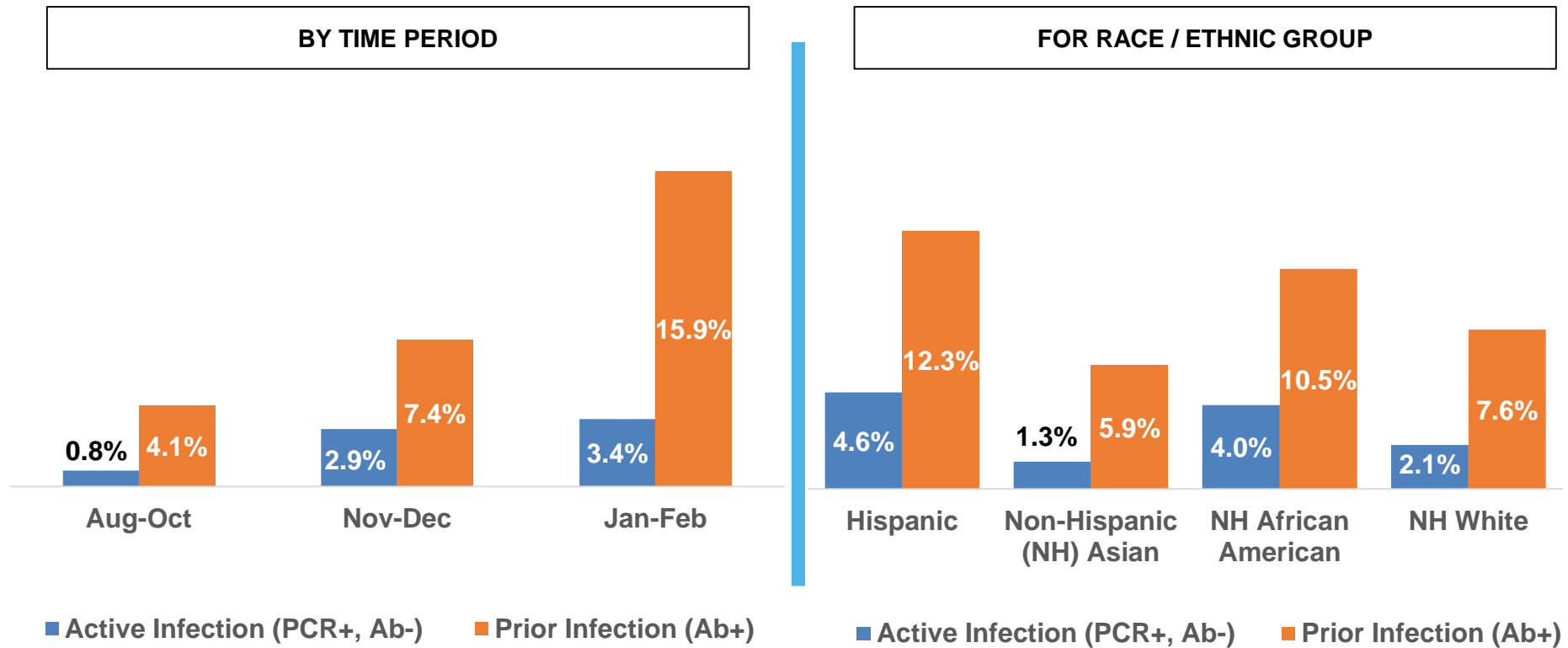
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DFW COVID-19 Prevalence Study

WHAT WE SET OUT TO ACCOMPLISH

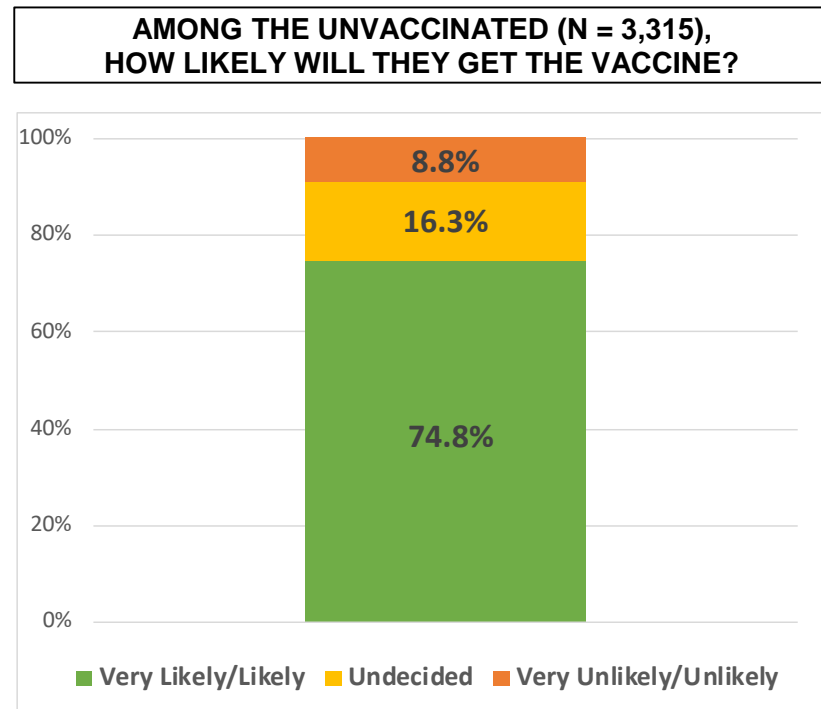
1. Measure prevalence of COVID-19 in DFW and by sociodemographic subgroup
2. Understand development and duration of immunity to COVID-19, and monitor for emerging hotspots
3. Engage the community as a trusted, transparent source of information about the COVID-19 pandemic

COVID INFECTION RATES: TARRANT COUNTY (N=5,697)



VACCINE BEHAVIOR AND HESITANCY RESPONSES

Dec 2020 – Feb 2021: 19.7% of survey respondents (810 / 4122) reported receiving a COVID-19 vaccine



Reason for Hesitancy	N
I am concerned about side effects from the vaccine.	499
I don't know enough about how well a COVID vaccine works.	402
I don't trust the vaccine will be safe.	285
I'm not concerned about getting really sick from COVID-19	133

KEY STUDY TAKEAWAYS

1. Documented racial and socioeconomic disparities in COVID-19 prevalence in Tarrant and Dallas Counties
2. Identified association between COVID-19 infection and behavioral risk factors, including small social gatherings
3. Developed infrastructure that is being leveraged to address vaccine hesitancy and facilitate vaccine dissemination
4. Various outreach strategies are needed to effectively address engagement barriers for communities of need

POLICY IMPLICATIONS

- Given patterns of vaccination uptake and presence of new variants, our communities remain vulnerable to COVID-19.
- Our local and national data support:
 - Mask wearing and social distancing in public spaces
 - Maintaining healthy environments in restaurants and adjusting practices during surges
 - Educating community members so they can make an informed decision about vaccination and how it can protect themselves, family/household members, friends, colleagues, and their community

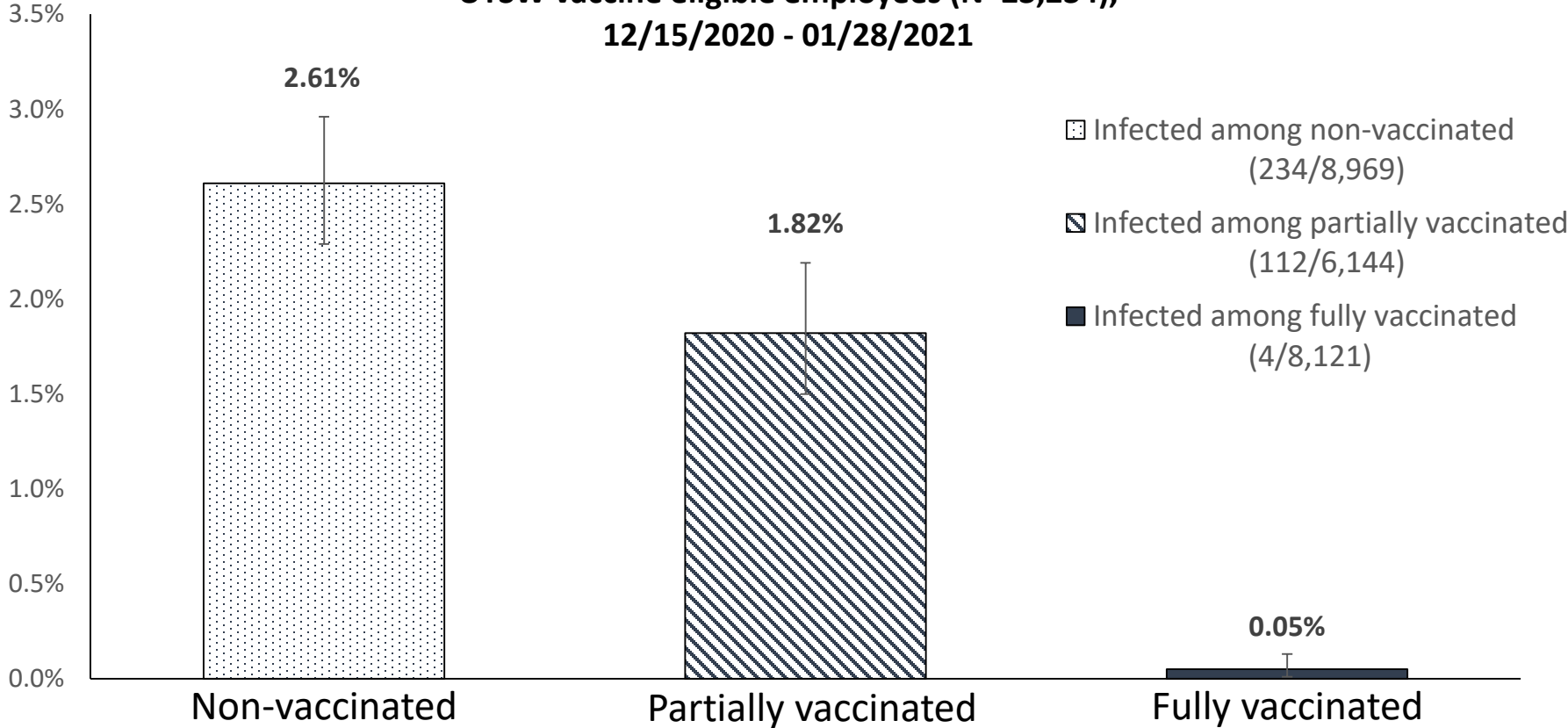
COVID-19 Vaccine

Summary of COVID-19 Vaccine Trials

Company	Platform	Doses	Number in trial vaccinated	Protection from Hospitalized COVID-19	Protection from severe COVID-19	Protection from all sx COVID-19
Pfizer/ BioNTech	mRNA	2	~18,600	100%	100%	95% (>90% out to 6 mos)
Moderna	mRNA	2	~15,000	97% (1 after 2 nd dose)	97%	94.1% (Ab levels out to 6 mos)
J&J/ Janssen	Human adeno vector	1	~22,000	100%	85% (none hospitalized)	72% US, 66% Latin America, 57% S Africa
Oxford/ AstraZeneca	Chimp adeno vector	2	~28,588	100%	100%	76% US; 70% UK; S Africa trial halted for mild
Novavax	Protein + Adjuvant	2	~8800	100%	100%	96% UK; 55% S. Africa

Impact of COVID-19 Vaccination on UTSW Employees

Percent newly testing positive for COVID-19 on or after UTSW COVID-19 employee vaccination distribution began, stratified by vaccination status*, UTSW vaccine eligible employees (N=23,234), 12/15/2020 - 01/28/2021



*Vaccination status is determined at date of positive COVID-19 test showing new infection 12/15/20 or later, and if no infection, vaccination status as of 1/28/21. Non-vaccinated include those with no record of vaccine received at UTSW. Partially vaccinated include those who received one dose, or who received their second dose less than 7 (Pfizer) or 14 (Moderna) days ago. Fully vaccinated include those who received their second dose at least 7 (Pfizer) or 14 (Moderna) days ago

CDC Real-World Effectiveness Study: mRNA Vaccines

TABLE 2. Person-days, SARS-CoV-2 infections, and vaccine effectiveness among health care personnel, first responders, and other essential and frontline workers, by messenger RNA immunization status — eight U.S. locations, December 14, 2020–March 13, 2021

[Return](#)

COVID-19 immunization status	Person-days	SARS-CoV-2 infections		Unadjusted vaccine effectiveness*	Adjusted vaccine effectiveness*†
		No.	Incidence rate per 1,000 person-days	% (95% CI)	% (95% CI)
Unvaccinated	116,657	161	1.38	N/A	N/A
Partially immunized	41,856	8	0.19	82 (62–91)	80 (59–90)
≥14 days after receiving first dose only [§]	15,868	5	0.32		
≥14 days after first dose through receipt of second dose	25,988	3	0.12		
Fully immunized					
≥14 days after second dose	78,902	3	0.04	91 (73–97)	90 (68–97)

Abbreviations: CI = confidence interval; N/A = not applicable.

* Vaccine effectiveness was estimated using a Cox proportional hazards model accounting for time-varying immunization status.

† Hazard ratio is adjusted for study site.

[§] Participants received first dose but had not received second dose by the end of the study period.

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Questions