



CENTRAL HEALTH



Workshop I: The Central Health Enterprise

Community Health Champions

Tuesday, September 24, 2020



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Reflection: Health Equity Training

Iván Dávila, Director of Communications & Community Engagement



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Today's Agenda

1. Introduction to the Central Health Enterprise
2. Budget Q&A
3. Break
4. At a Glance: COVID-19
5. Discussion





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Introduction to the Central Health Enterprise

Iván Dávila, Director of Communications & Community Engagement



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A map of the United States is shown in a light gray silhouette. Three callout boxes are overlaid on the map. The first callout box is in the top left, pointing to the entire country. The second callout box is in the center, pointing to the state of Texas, which is highlighted in a solid orange color. The third callout box is in the bottom right, pointing to Travis County within Texas, which is highlighted in a solid dark purple color.

9.4%

of people

in the U.S. have **no health insurance**.¹

17.4%

of people

in Texas have **no health insurance**.¹

13.5%

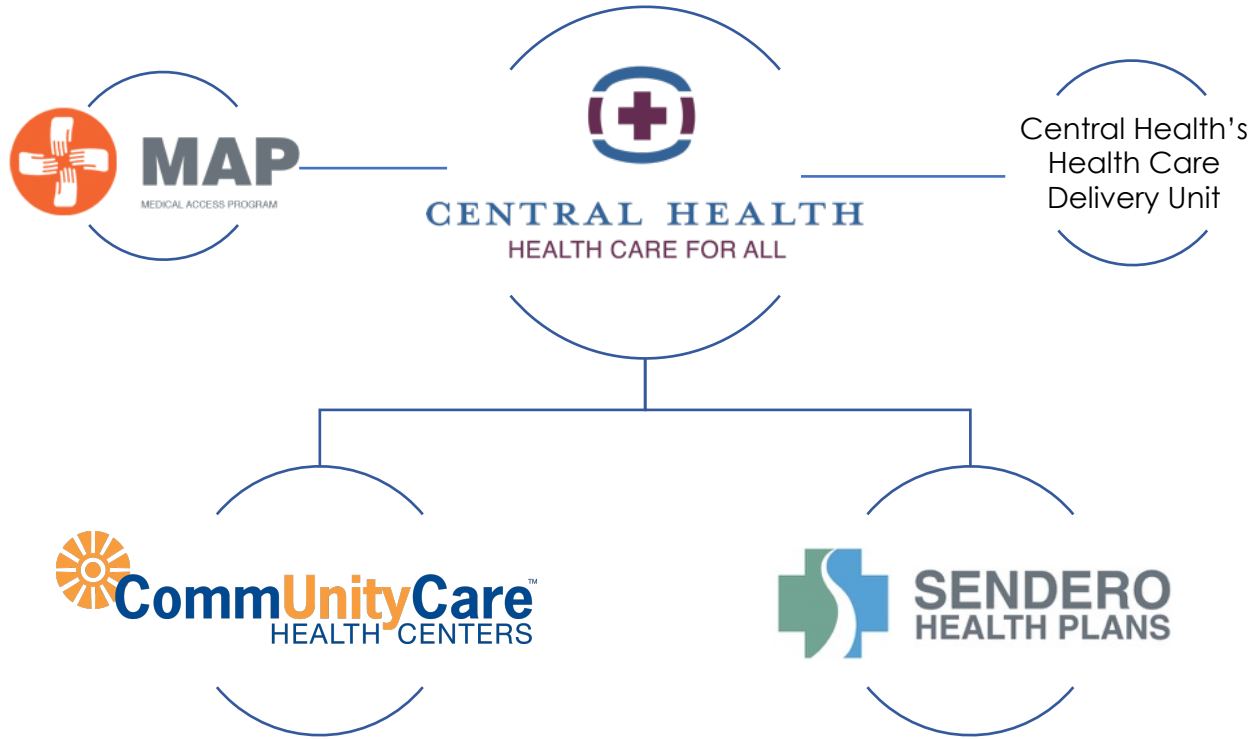
of people

in Travis County have **no health insurance**.¹

Our History



Central Health Enterprise





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Q&A: FY 2021 Budget

Lisa Owens, Deputy Chief Financial Officer

Lester Hannaher, Sr. Financial Analyst



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COVID-19 at a Glance:

Assessing Equity in CommUnityCare Testing

Central Health Analytics and Reporting
Author: Max Shpak, Biostatistician

Contributors: Jessie Patton-Levine, Senior Epidemiologist
Matt Richardson, Senior Data Strategy Analyst



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Research Questions

1. **Effectiveness:** How effectively is CUC testing the community it serves for COVID-19?
2. **Demographic Differences:** Are there differences in testing and positivity by geographic area?
3. **Testing & Positivity:** Who is getting tested and do the testing and positivity rates differ across groups?
4. **Outcomes:** Are there differences in outcomes (hospitalizations and deaths) across groups?

Travis County Geographic Regions Defined

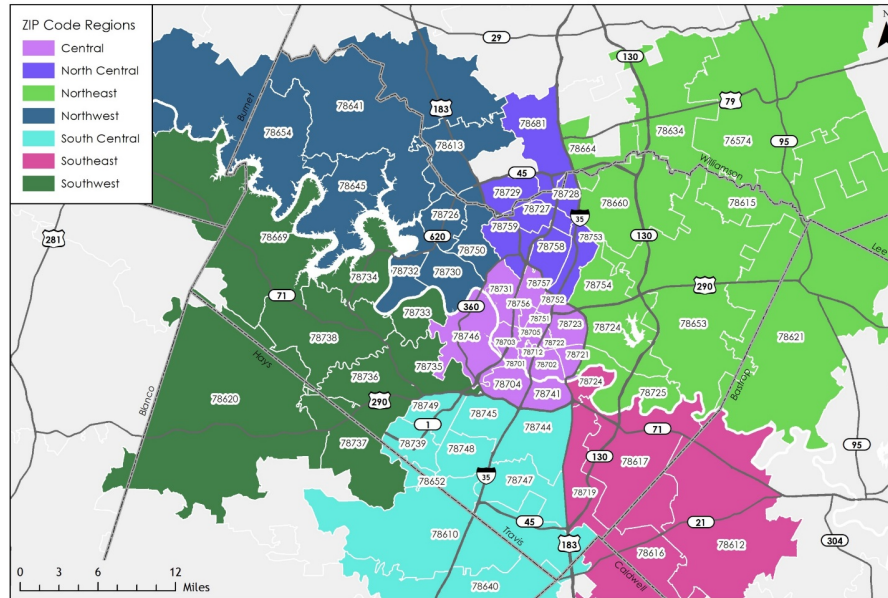
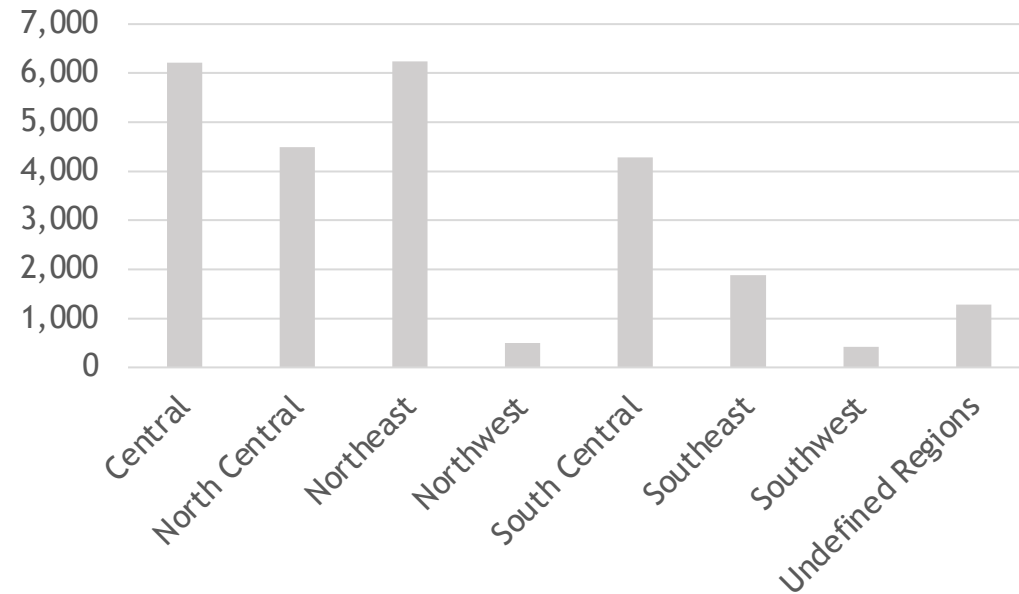


Figure 2: Proposed ZIP Code Regions for Analysis
(Source: Central Health Analytics and Reporting)

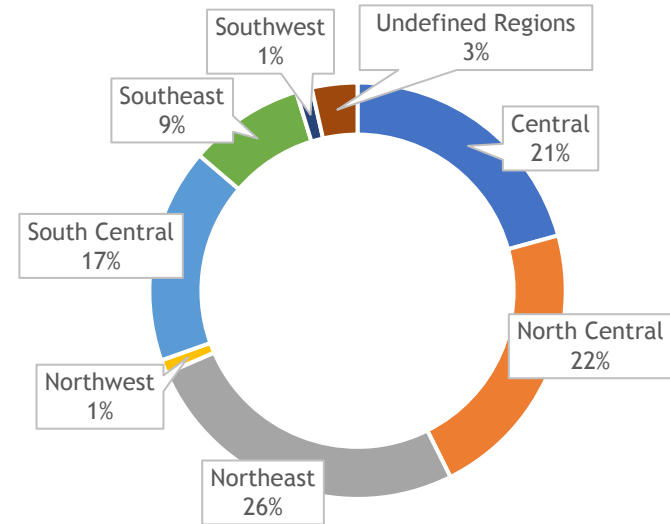


Effectiveness

CUC COVID-19 Total Tests Conducted 3/11-9/16/2020
by Region (n=25,309)



Proportion of Tests conducted by CUC, by
Region

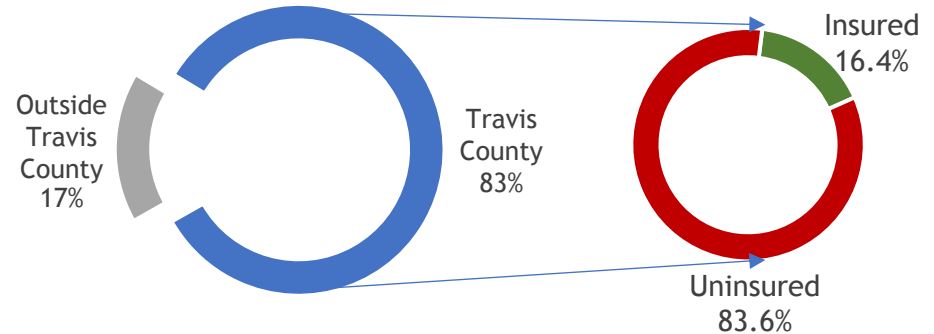


Note: Undefined regions include ZIP Codes that are not included among the defined areas because they are completely outside Travis County. ZIP codes within regions may also overlap county boundaries.

Effectiveness

- 84% of tests by CUC were uninsured
 - 83.6% of Travis County residents tested by CUC were uninsured
- 40% of all tests were provided to established CUC patients
 - 37.5% of uninsured Travis County residents were established patients
- 60% of all tests were provided to non-established CUC patients

Tests Administered by CUC by Residence (3/11-9/21/2020, n=27,842)

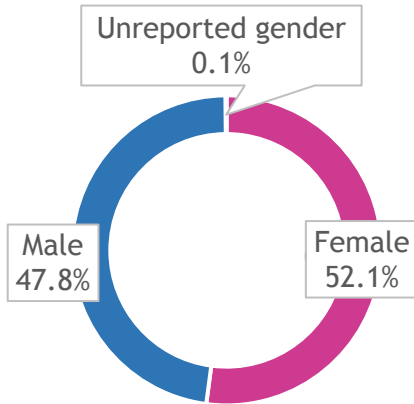


Client Type	#	%
Established CUC patient	7,261	37.5%
Community members at large	12,106	62.5%
Total	19,367	100%

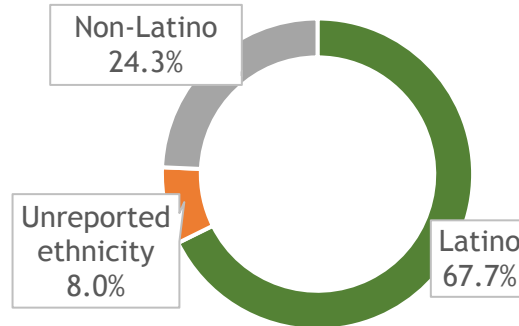
Tests administered include pending and inconclusive results (Total N=27,842)

Demographic Differences

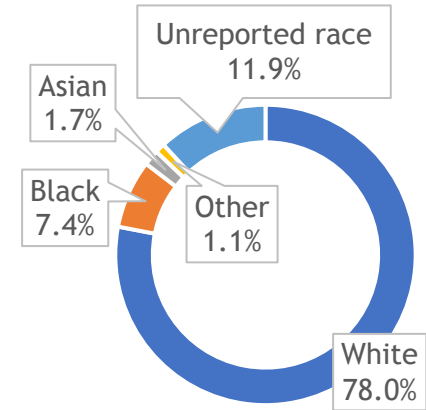
Percentage of Total Tests
by Gender



Percentage of Total Tests
by Ethnicity



Percentage of Total Tests
by Race



Testing & Positivity

Demographic Group	Subgroup	% of Travis County Population ¹	% of Total Tests	Total Tests Over/under representation (Odds Ratio)	% of Positive Tests	Positive Test Over/under representation (Odds Ratio)
Gender	Female	49.5%	52.1%	1.05	49.7%	0.95
	Male	50.5%	47.8%	0.95	50.2%	1.05
	Unreported gender	0.0%	0.1%	-	0.1%	1.00
Ethnicity	Latino	33.6%	67.7%	2.01	85.8%	1.27
	Unreported ethnicity	-	8.0%	-	4.6%	0.58
	Non-Latino	66.4%	24.3%	0.37	9.8%	0.40
Race	White	79.7%	74.2%	0.93	79.5%	1.07
	Black	8.9%	7.0%	0.79	3.3%	0.47
	Asian	7.4%	1.6%	0.22	0.8%	0.50
	Other	4.0%	1.0%	0.25	0.8%	0.80
	Unreported race	0.0%	11.3%	-	15.6%	1.38

1. Based on 2019 Census Estimates for Travis County

<https://www.census.gov/quickfacts/traviscountytexas>



Outcomes

Group	Subgroup	% of Population	Cases	Case Odds Ratio	Hospitalizations	Hospitalization Odds Ratio	Deaths	Death Odds Ratio
Gender	Female	49.5%	51.0%	1.03	51.0%	1.00	45.0%	0.88
	Male	50.5%	49.0%	0.97	49.0%	1.00	55.0%	1.12
Ethnicity	Latino	33.6%	49.0%	1.46	55.3%	1.13	50.0%	1.02
	Non-Latino	66.4%	30.0%	0.45	44.7%	1.49	49.0%	1.63
	Unreported	0.0%	21.0%	-	0.0%	-	1.0%	0.05
Race	White	79.7%	53.0%	0.66	69.3%	1.31	74.0%	1.40
	Black	8.9%	7.0%	0.79	10.7%	1.53	9.0%	1.29
	Asian	7.4%	2.0%	0.27	1.4%	0.70	4.0%	2.00
	Other	4.0%	14.0%	3.50	18.3%	1.31	10.0%	0.71
	Unreported	0.0%	23.0%	-	0.3%	0.01	3.0%	0.13

*NOTE: These data are for Travis County generally and **are not specific to the CUC population** due to a lack of reliable hospitalization and death data for the CUC patients.*

Source: Austin Public Health COVID-19 Dashboard

<https://austin.maps.arcgis.com/apps/opsdashboard/index.html#/39e4f8d4acb0433baae6d15a931fa984>



Focus: Impact on the Latino Population



- **Latinos were tested at over twice the rate we would expect** based on their proportion of the population. Latinos account for 67.7% of individuals tested but only 33.6% of the County population (Odds Ratio 2.01).
 - Latinos were also **more likely to have had a positive test**, representing 85.8% of all positive tests but only 67.7% of all tests conducted (Odds Ratio = 1.27).
- Latinos were **slightly more likely to be hospitalized** for their COVID-19 infection, representing 55.3% of hospitalizations but only 49% of cases (Odds Ratio = 1.13).
 - Latinos were **not more likely to die** from their COVID-19 infection, accounting for 49.5% of cases and nearly an equal fraction of deaths at 49% (Odds Ratio = 0.99)
- For the week of 9/6-9/12/2020, Latinos are 64.9% of those tested and have a positivity rate of 16.2%, compared to 13.6% overall.
 - In the most recently available weekly data, Latinos comprised 77.1% of those who tested positive.



Conclusions: CUC Testing Data



- 1. EFFECTIVENESS:** How effectively is CUC testing the community it serves for COVID-19?
 - CUC has conducted 27,842 tests for COVID-19 since mid-March, covering all regions of Travis County.
 - MAP and MAP Basic enrollees represented 28.4% of all persons tested but are only 7% of the County population (Odds Ratio = 4.06).
- 2. GEOGRAPHIC DIFFERENCES:** Are there differences in testing and positivity by geographic area?
 - Differences in positivity rates are minimal across regions of Travis county, particularly for recent test data.
 - With the exception of the Northwest region, differences in the numbers of individuals tested across regions largely reflect differences in population size.

Conclusions: CUC Testing Data



3. TESTING & POSITIVITY

Who is getting tested and do the testing and positivity rates differ across groups?

- Latinos were considerably more likely to get tested, and thus were a greater percentage of positive tests.
- Overall, older school-aged children (11-17 years) had the highest percentages of positive tests, but 18 to 30 year-olds had the highest total numbers of both tests and positive results.

Conclusions: Austin Public Health Data



4. OUTCOMES

Are there differences in outcomes (hospitalizations and deaths) across groups?

- Men were slightly more likely to die from COVID-19, despite similar hospitalization rates to women.
- Blacks were somewhat more likely to be hospitalized for COVID-19 (Odds Ratio = 1.53).
- Asians were twice as likely to die from COVID-19 (Odds Ratio = 2.00).
- The odds of dying of COVID-19 increased markedly starting in the 60-69 age group, increasing nearly exponentially in each successively older age group. The elderly represent a very small fraction of all cases but most of the hospitalizations and deaths.



Breakout Groups

- Assign note taker
- Reflection question: *What are the gaps?*
- Report out after breakout groups
 - Group 1: COVID-19 Testing
 - Group 2: Clinical Response
 - Group 3: Communications & Outreach



Next Workshop

Workshop II: Health Care Delivery & Service Planning
Thursday, October 8
2:30 – 5 p.m.



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Health care for **all**



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\$20 Million Budget Increase

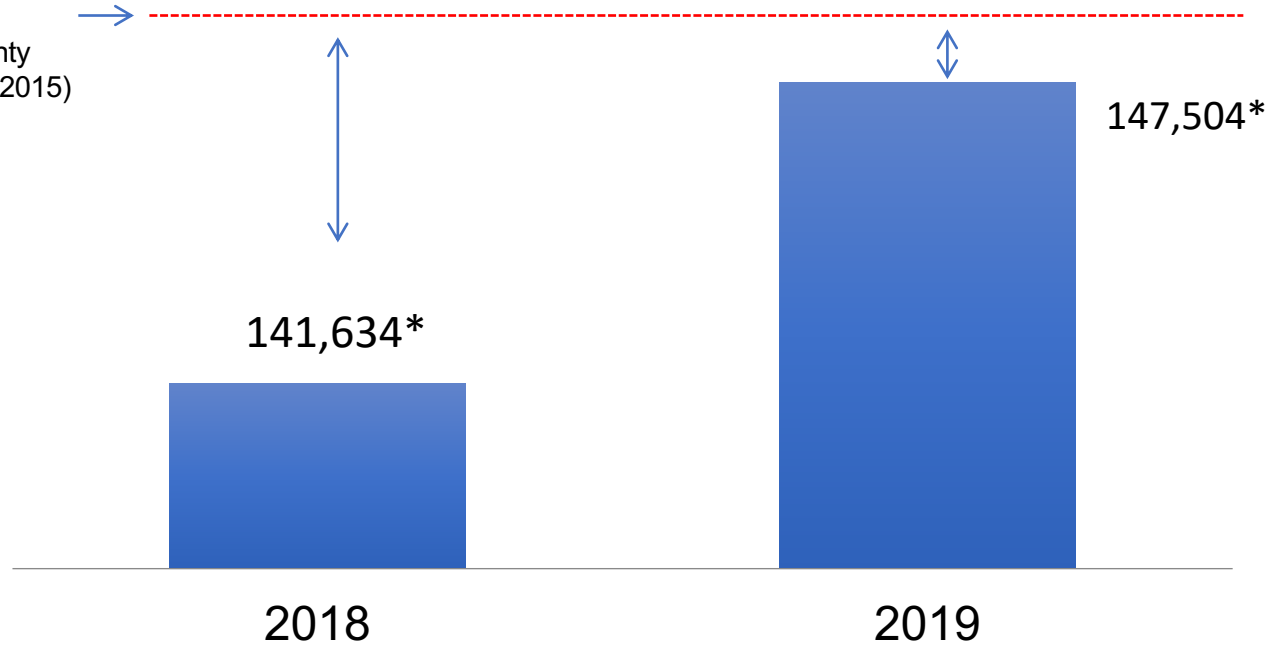


- \$5.2M: Primary care (I.e. medical, dental and behavioral care).
- \$3.6M: Specialty care, including specialty dental care.
- \$1M: Behavioral care.
- \$1.2M: Care people may need after being hospitalized.
- \$6.8M: Hospital and specialty services.
- \$1.7M: Affordable Care Act Healthcare Premium Assistance Program.



Central Health's Impact

166,000
Uninsured
Travis County
Residents (2015)



*Includes CommUnityCare and CCC patients

