Denton-Wise Region

TEXAS HEALTH RESOURCES

APPENDICES

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Appendix A. Secondary Data Methodology

Secondary Data Sources

The main source for the secondary data, or data that has been previously collected, is the community indicator database maintained by Conduent Healthy Communities Institute. The following is a list of both local and national data sources used in Texas Health Resources Denton County and Wise County regional Community Health Needs Assessment report.

Data Sources
- American Community Survey
- American Lung Association
- CDC - PLACES
- Centers for Disease Control and Prevention
- Centers for Medicare & Medicaid Services
- County Health Rankings
- Feeding America
- Healthy Communities Institute
- National Cancer Institute
- National Center for Education Statistics
- National Environmental Public Health Tracking Network
- Texas Department of Family and Protective Services
- DFWHC Foundation Regional Data, Q1-Q4, 2017-2019. DFWHC Foundation, Irving Texas. October 15, 2021,

- Texas Education Agency

- Texas Department of Health Services
- U.S Bureau of Labor Statistics
- U.S. Census - County Business Patterns
- U.S. Census Bureau – Small Area Health Insurance Estimates
- U.S. Department of Agriculture – Food Environment Atlas
- U.S. Environmental Protection Agency
- United for ALICE

Secondary Data Scoring

HCI's Data Scoring Tool (Figure 1A) was used to systematically summarize multiple comparisons in order to rank indicators based on the highest need. For each indicator, the community value was compared to a distribution of Texas and US counties, state and national values, Healthy People 2030, and significant trends were noted. These comparison scores range from 0-3, where 0 indicates the best outcome and 3 the worst. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected for other communities and changes in methodology over time. The comparison scores were summarized for each indicator, and indicators were then grouped into topic areas for a systematic ranking of community health needs.

Figure 1A: Summary of Topic Scoring Analysis
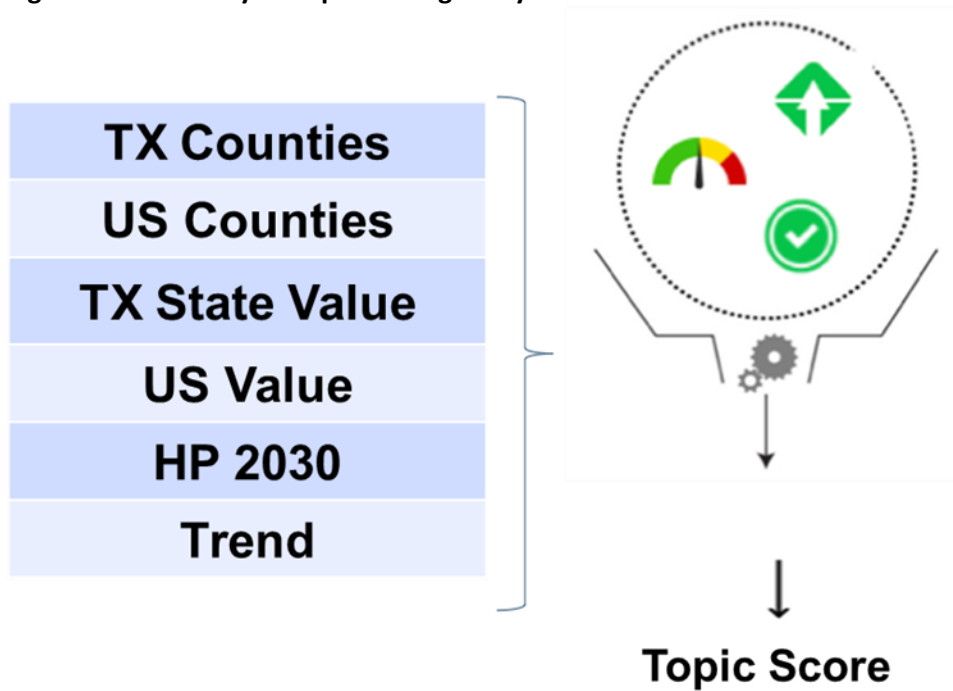
Index of Disparity

An important part of the CHNA process is to identify health disparities, the needs of vulnerable populations and unmet health needs or gaps in services. There were several ways in which subpopulation disparities were examined by county. For secondary data health indicators, the Index of Disparity tool was utilized to see if there were large, negative, and concerning differences in indicator values between each subgroup data value and the overall county value. The Index of Disparity was run for each county, and the indicators with the highest race or ethnicity index value were found.

Health Equity Index

Every community can be described by various social and economic factors that can contribute to disparities in health outcomes. Conduent HCI's Health Equity Index (formerly SocioNeeds ® Index) considers validated indicators related to income, employment, education, and household environment to identify areas at highest risk for experiencing health inequities.

How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic needs correlated with preventable hospitalizations and premature death.

What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Health Equity Index, with darker coloring associated with higher relative need.

Food Insecurity Index

Every community can be described by various health, social, and economic factors that can contribute to disparities in outcomes and opportunities to thrive. Conduent HCI's Food Insecurity Index considers validated indicators related to income, household environment and well-being to identify areas at highest risk for experiencing food insecurity.

How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest food insecurity, which is correlated with household and community measures of food-related financial stress such as Medicaid and SNAP enrollment.

What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Food Insecurity Index, with darker coloring associated with higher relative need.

Mental Health Index

Every community can be described by various health, social, and economic factors that can contribute to disparities in mental health outcomes. Conduent HCI's Mental Health Index considers validated indicators related to access to care, physical health status, transportation, employment and household environment to identify areas at highest risk for experiencing poor mental health.

How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic and health needs correlated with self-reported poor mental health.

What do the ranks and colors mean?

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Mental Health Index, with darker coloring associated with higher relative need.

Data Considerations
Several limitations of data should be considered when reviewing the findings presented in this report. Although the topics by which data are organized cover a wide range of health and health-related areas, data availability varies by health topic. Some topics contain a robust set of secondary data indicators, while others may have a limited number of indicators or limited subpopulations covered by those specific indicators. Data scores represent the relative community health need according to the secondary data for each topic and should not be considered a comprehensive result on their own. In addition, these scores reflect the secondary data results for the population as a whole and do not represent the health or socioeconomic need that is much greater for some subpopulations. Moreover, many of the secondary data indicators included in the findings are collected by survey, and though specific methods are used to best represent the population at large, these measures are subject to instability, especially for smaller populations. The Index of Disparity is also limited by data availability, where indicator data varies based on the population groups and service areas being analyzed.

Race or ethnic and Special Population Groupings
The secondary data presented in this report derive from multiple sources, which may present race and ethnicity data using dissimilar nomenclature. For consistency with data sources throughout the report, subpopulation data may use different terms to describe the same or similar groups of community members.

Zip Codes and Zip Code Tabulation Areas
This report presents both Zip Code and Zip Code Tabulation Area (ZCTA) data. Zip Codes, which were created by the U.S. Postal Service to improve mail delivery service, are not reported in this assessment as they may change, include P.O. boxes or cover large unpopulated areas. This assessment cover ZCTAs or Zip Code Tabulation Areas which were created by the U.S. Census Bureau and are generalized representations of Zip Codes that have been assigned to census blocks.

Demographics for this report are sourced from the United States Census Bureau, which presents ZCTA estimates. Tables and figures in the Demographics section of this report reference Zip Codes in title (for purposes of familiarity) but show values of ZCTAs. Data from other sources are labeled as such.

Secondary Data Scoring Detailed Methodology
Data Scoring is done in three stages:

Comparisons
- Quantitatively score all possible comparisons

Indicators
- Summarize comparison scores for each indicator

Topics
- Summarize indicator scores by topic area

Score range:
Good → Bad
0 1 2 3
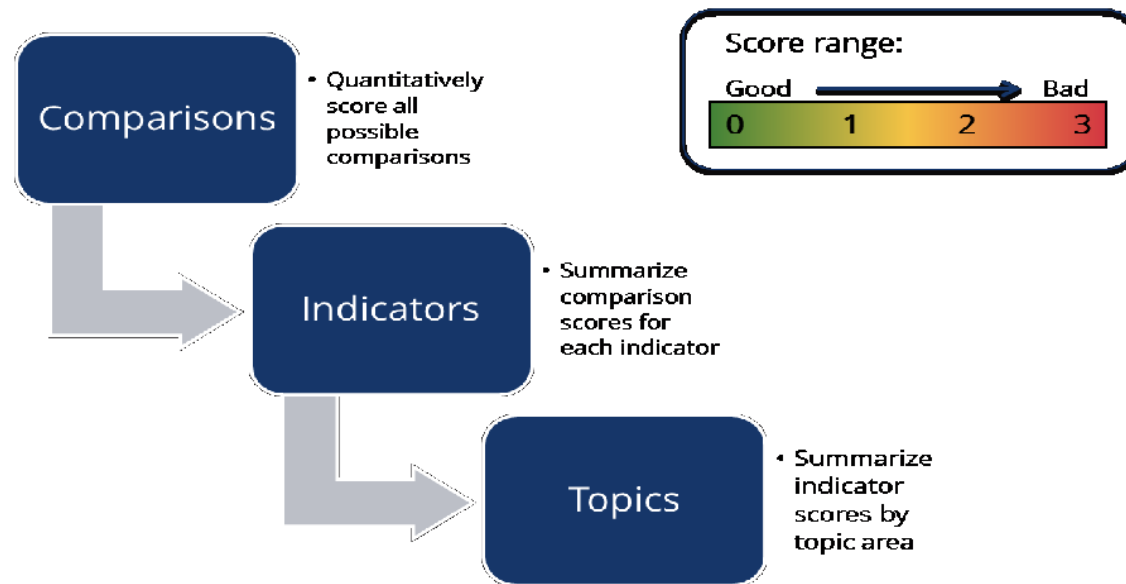
For every indicator available, each county in the Hospital Service Area is assigned a score based on its comparison to other communities, whether health targets have been met, and the trend of the indicator value over time. These comparison scores range from 0-3, where 0 indicates the best outcome and 3 the worst. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected for other communities, and changes in methodology over time. Indicators are categorized into topic areas and each topic area receives a score. Indicators may be categorized in more than one topic area. Topic scores are determined by the comparisons of all indicators within the topic. Secondary data for this report are up to date as of November 1, 2021.

Comparison to a Distribution of County Values: Within State and Nation
For ease of interpretation and analysis, indicator data on the Community Dashboard is visually represented as a green-yellow-red gauge showing how the community is faring against a distribution of counties in the state or the United States. A distribution is created by taking all county values within the state or nation, ordering them from low to high, and dividing them into three groups (green, yellow, red) based on their order. Indicators with the poorest comparisons ("in the red") scored high, whereas indicators with good comparisons ("in the green") scored low.

Comparison to Values: State, National, and Targets
The county is compared to the state value, the national value, and target values. Target values include the nation-wide Healthy People 2030 (HP2030) goals. Healthy People 2030 goals are national objectives for improving the health of the nation set by the Department of Health and Human Services' (DHHS) Healthy People Initiative. For all value comparisons, the scoring depends on whether the county value is better or worse than the comparison value, as well as how close the county value is to the target value.

Trend Over Time

The Mann-Kendall statistical test for trend was used to assess whether the county value is increasing over time or decreasing over time and whether the trend is statistically significant. The trend comparison uses the four most recent comparable values for the county, and statistical significance is determined at the 90% confidence level. For each indicator with values available for four time periods, scoring was determined by the direction of the trend and statistical significance.

Missing Values

Indicator scores are calculated using the comparison scores, the availability of which depends on the data source. If the comparison type is possible for an adequate proportion of indicators on the community dashboard, it will be included in the indicator score. After the exclusion of comparison types with inadequate availability, all missing comparisons are substituted with a neutral score for the purposes of calculating the indicator's weighted average. When information is unknown due to a lack of comparable data, the neutral value assumes that the missing comparison score is neither good nor bad.

Indicator Scoring

Indicator scores are calculated as a weighted average of all included comparison scores. If none of the included comparison types are possible for an indicator, no score is calculated, and the indicator is excluded from the data scoring results.

Topic Scoring

Indicator scores are averaged by topic area to calculate topic scores. Each indicator may be included in up to three topic areas if appropriate. The resulting scores range from 0-3, where a higher score indicates a greater level of need as evidenced by the data. A topic score is only calculated if it includes at least three indicators.

County Data Scoring Indicators Results
Denton County Indicator Scores

SCORE	ALCOHOL & DRUG USE	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	Adults who Binge Drink	*percent*	19.8			16.4	*2018*		3
1.75	Age-Adjusted ER Rate due to Opioid Use	*ER visits/ 10,000 population 18+ years*	1.8		0.7		*2017-2019*		16
1.75	Age-Adjusted Hospitalization Rate due to Opioid Use	*hospitalizations/ 10,000 population 18+ years*	0.2		0.1		*2017-2019*		16
1.25	Age-Adjusted ER Rate due to Substance Use	*ER visits/ 10,000 population 18+ years*	9.1		20.6		*2017-2019*		16
1.25	Age-Adjusted Hospitalization Rate due to Substance Use	*hospitalizations/ 10,000 population 18+ years*	0.8		1.2		*2017-2019*		16
1.00	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	*Deaths per 100,000 population*	7.7		12.1	22.8	*2017-2019*		4
0.92	Liquor Store Density	*stores/ 100,000 population*	6.9		6.9	10.5	*2019*		18
0.78	Alcohol-Impaired Driving Deaths	*percent of driving deaths with alcohol involvement*	22.9	28.3	25.7	27	*2015-2019*		6
0.61	Death Rate due to Drug Poisoning	*deaths/ 100,000 population*	7.5		10.6	21	*2017-2019*		6

SCORE	CANCER	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.47	Cancer: Medicare Population	percent	8.4		7.6	8.4	2018		5
2.31	Breast Cancer Incidence Rate	cases/ 100,000 females	127		112.8	126	2013-2017		9
1.86	Prostate Cancer Incidence Rate	cases/ 100,000 males	103.6		94	105	2013-2017		9
1.83	Colon Cancer Screening	percent	60.6	74.4		66.4	2018		3
1.50	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	10.9		11	11.8	2013-2017		9
1.47	All Cancer Incidence Rate	cases/ 100,000 population	408.5		407.7	449	2013-2017		9
1.28	Cervical Cancer Screening: 21-65	Percent	84	84.3		84.7	2018		3
0.94	Mammogram in Past 2 Years: 50-74	percent	74.8	77.1		74.8	2018		3
0.89	Cervical Cancer Incidence Rate	cases/ 100,000 females	6.1		9.2	7.6	2013-2017		9
0.75	Adults with Cancer	percent	5.7			6.9	2018		3
0.69	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	17.5	15.3	19.8	20.1	2013-2017		9
0.58	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	15.6	16.9	17.6	19	2013-2017		9
0.44	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	10.9	8.9	13.9	13.7	2013-2017		9

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.33	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	30.8	25.1	34.1	38.5	2013-2017		9
0.25	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	46.7		50.6	58.3	2013-2017		9
0.11	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	129.6	122.7	148.8	156	2013-2017		9
0.08	Colorectal Cancer Incidence Rate	cases/ 100,000 population	31.8		37.6	38.4	2013-2017		9

SCORE	CHILDREN'S HEALTH	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.50	Food Insecure Children Likely Ineligible for Assistance	percent	53		34	23	2019		7
1.50	Children with Health Insurance	percent	90.3		87.3	94.3	2019		1
1.50	Children with Low Access to a Grocery Store	percent	5.2				2015		20
1.33	Substantiated Child Abuse Rate	cases/ 1,000 children	7.4	8.7	9.1		2020		12
0.92	Projected Child Food Insecurity Rate	percent	17.5		23.6		2021		7
0.67	Child Food Insecurity Rate	percent	13.8		19.6	14.6	2019		7

SCORE	COMMUNITY	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.92	Solo Drivers with a Long Commute	percent	47.6		38.9	37	2015-2019		6
2.67	Median Household Gross Rent	dollars	1218		1045	1062	2015-2019		1
2.67	Median Monthly Owner Costs for Households without a Mortgage	dollars	773		514	500	2015-2019		1
2.67	Mortgaged Owners Median Monthly Household Costs	dollars	2015		1606	1595	2015-2019		1
2.64	Social Associations	membership associations/ 10,000 population	5.6		7.5	9.3	2018		6
2.31	Mean Travel Time to Work	minutes	29		26.6	26.9	2015-2019		1
1.72	Workers Commuting by Public Transportation	percent	0.8	5.3	1.4	5	2015-2019	Black (1.6) White (0.6) Asian (1) AIAN (2.8) NHPI (4.2) Mult (1.4) Other (1) Hisp (1)	1
1.69	Persons with Health Insurance	percent	86.6	92.1	79.3		2019		19
1.36	Social Worker Rate	workers/ 100,000 population	69.3		82.7		2020		13
1.33	Substantiated Child Abuse Rate	cases/ 1,000 children	7.4	8.7	9.1		2020		12

	Indicator	Units					Year	Rank
1.19	Workers who Drive Alone to Work	percent	80.4		80.5	76.3	2015-2019	1
1.17	Voter Turnout: Presidential Election	percent	63.9		58.8		2016	15
1.03	Linguistic Isolation	percent	3.4		7.7	4.4	2015-2019	1
1.00	Households with No Car and Low Access to a Grocery Store	percent	0.7				2015	20
0.92	Female Population 16+ in Civilian Labor Force	percent	66.4		57.8	58.3	2015-2019	1
0.92	Persons with an Internet Subscription	percent	93.3		84.2	86.2	2015-2019	1
0.83	Households with One or More Types of Computing Devices	percent	97.1		91	90.3	2015-2019	1
0.81	Total Employment Change	percent	4.3		2.9	1.6	2018-2019	18
0.78	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	22.9	28.3	25.7	27	2015-2019	6
0.69	Homeownership	percent	61.2		54.9	56.2	2015-2019	1
0.67	Age-Adjusted Death Rate due to Motor Vehicle Traffic Collisions	deaths/ 100,000 population	6.7	10.1	13	11.3	2017-2019	4
0.64	Population 16+ in Civilian Labor Force	percent	69.8		61	59.6	2015-2019	1
0.53	People 25+ with a High School Degree or Higher	percent	92.5		83.7	88	2015-2019	1

0.50	Households with an Internet Subscription	percent	91.9		82.1	83	2015-2019		1
0.33	Median Housing Unit Value	dollars	277800		2E+05	###\#	2015-2019		1
0.08	Children Living Below Poverty Level	percent	8.4		20.9	18.5	2015-2019	Black (14.2) White (4.4) Asian (7.4) AIAN (6) NHPI (0) Mult (7.1) Other (12.3) Hisp (15.6)	1
0.08	Median Household Income	dollars	86913		618 74	###\#	2015-2019		1
0.08	People 25+ with a Bachelor's Degree or Higher	percent	45.1		29.9	32.1	2015-2019		1
0.08	Per Capita Income	dollars	41153		312 77	###\#	2015-2019		1
0.08	Single-Parent Households	percent	17.8		26.3	25.5	2015-2019		1
0.06	People Living Below Poverty Level	percent	7.6	8	14.7	13.4	2015-2019	Black (11.2) White (5.5) Asian (7.9) AIAN (8.7) NHPI (15.4) Mult (8.2) Other (10.8) Hisp (12.6)	1

SCORE	DIABETES	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Age-Adjusted ER Rate due to Diabetes	*ER visits/ 10,000 population 18+ years*	19.1		9.4		*2017-2019*		16
1.75	Age-Adjusted ER Rate due to Type 2 Diabetes	*ER visits/ 10,000 population 18+ years*	17		8.6		*2017-2019*		16
1.75	Age-Adjusted Hospitalization Rate due to Diabetes	*hospitalizations/ 10,000 population 18+ years*	13.9		5.3		*2017-2019*		16
1.75	Age-Adjusted Hospitalization Rate due to Type 2 Diabetes	*hospitalizations/ 10,000 population 18+ years*	10.3		4		*2017-2019*		16
0.83	Diabetes: Medicare Population	*percent*	25.2		28.8	27	*2018*		5
0.36	Age-Adjusted Death Rate due to Diabetes	*deaths/ 100,000 population*	15.6		22	21.5	*2017-2019*		4

SCORE	ECONOMY	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.67	Median Household Gross Rent	dollars	1218		1045	1062	2015-2019		1
2.67	Median Monthly Owner Costs for Households without a Mortgage	dollars	773		514	500	2015-2019		1
2.67	Mortgaged Owners Median Monthly Household Costs	dollars	2015		1606	1595	2015-2019		1
2.50	Food Insecure Children Likely Ineligible for Assistance	percent	53		34	23	2019		7
2.00	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.86	SNAP Certified Stores	stores/ 1,000 population	0.3				2017		20
1.64	Renters Spending 30% or More of Household Income on Rent	percent	45.3		47.8	49.6	2015-2019		1
1.17	Low-Income and Low Access to a Grocery Store	percent	4.3				2015		20
1.14	Students Eligible for the Free Lunch Program	percent	27.7				2019-2020		10
1.00	Food Insecurity Rate	percent	11.3		14.1	10.9	2019		7

1.00	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	68.2	56		2018	22
1.00	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	24.5	30		2018	22
1.00	Households that are Below the Federal Poverty Level	percent	7.3	14		2018	22
0.92	Female Population 16+ in Civilian Labor Force	percent	66.4	57.8	58.3	2015-2019	1
0.92	Projected Child Food Insecurity Rate	percent	17.5	23.6		2021	7
0.92	Projected Food Insecurity Rate	percent	13.5	16.5		2021	7
0.86	Overcrowded Households	percent of households	2.3	4.8		2015-2019	1
0.86	Severe Housing Problems	percent	13.7	17.4	18	2013-2017	6
0.81	Total Employment Change	percent	4.3	2.9	1.6	2018-2019	18
0.69	Homeownership	percent	61.2	54.9	56.2	2015-2019	1
0.69	Unemployed Workers in Civilian Labor Force	percent	5.2	6.7	6.1	Jun-21	17
0.67	Child Food Insecurity Rate	percent	13.8	19.6	14.6	2019	7

0.64	People 65+ Living Below Poverty Level	percent	5.1	10.6	9.3	2015-2019	Black (6.1) White (4.6) Asian (5.5) AIAN (9.7) NHPI (0) Mult (1.8) Other (11.4) Hisp (7.9)	1
0.64	Population 16+ in Civilian Labor Force	percent	69.8	61	59.6	2015-2019		1
0.50	Mortgaged Owners Spending 30% or More of Household Income on Housing	percent	23.5	26.5	26.5	2019		1
0.36	Households with Cash Public Assistance Income	percent	0.9	1.4	2.4	2015-2019		1
0.33	Median Housing Unit Value	dollars	277800	2E+05	### #	2015-2019		1
0.08	Children Living Below Poverty Level	percent	8.4	20.9	18.5	2015-2019	Black (14.2) White (4.4) Asian (7.4) AIAN (6) NHPI (0) Mult (7.1) Other (12.3) Hisp (15.6)	1

0.08	Families Living Below Poverty Level	percent	4.6		11.3	9.5	2015-2019	Black (7.8) White (2.8) Asian (4.9) AIAN (10.5) NHPI (0) Mult (7.2) Other (8.2) Hisp (10.1)	1
0.08	Median Household Income	dollars	86913		618 74	### #	2015-2019		1
0.08	People Living 200% Above Poverty Level	percent	80.7		65.7	69. 1	2015-2019		1
0.08	Per Capita Income	dollars	41153		312 77	### #	2015-2019		1
0.08	Persons with Disability Living in Poverty (5-year)	percent	13.6		23.2	26. 1	2015-2019		1
0.06	People Living Below Poverty Level	percent	7.6	8	14.7	13. 4	2015-2019	Black (11.2) White (5.5) Asian (7.9) AIAN (8.7) NHPI (15.4) Mult (8.2) Other (10.8) Hisp (12.6)	1

SCORE	EDUCATION	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.69	Student-to-Teacher Ratio	students/ teacher	14.5				2019-2020		10
1.67	High School Drop Out Rate	percent	2.2		1.9		2019	Black (2.8) White (1.3) Asian (1.5) AIAN (5.5) PI (0) Mult (2.8) Hisp (3.9)	14
0.61	Infants Born to Mothers with <12 Years Education	percent	8.4		17.4	13.3	2017	Black (4.1) White (2.4) Other (5.6) Hisp (24.2)	13
0.53	People 25+ with a High School Degree or Higher	percent	92.5		83.7	88	2015-2019		1
0.08	People 25+ with a Bachelor's Degree or Higher	percent	45.1		29.9	32.1	2015-2019		1

SCORE	ENVIRONMENTAL HEALTH	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.19	Asthma: Medicare Population	percent	5.4		4.9	5	2018		5
2.00	Grocery Store Density	stores/ 1,000 population	0.1				2016		20
2.00	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.86	SNAP Certified Stores	stores/ 1,000 population	0.3				2017		20
1.81	Fast Food Restaurant Density	restaurants/ 1,000 population	0.7				2016		20
1.75	Annual Ozone Air Quality	Grade	F				2017-2019		2
1.64	Number of Extreme Precipitation Days	days	38				2016		11
1.50	Children with Low Access to a Grocery Store	percent	5.2				2015		20
1.50	Farmers Market Density	markets/ 1,000 population	0				2018		20
1.36	Months of Mild Drought or Worse	months per year	5				2016		11
1.36	Number of Extreme Heat Events	events	1				2016		11
1.36	Recognized Carcinogens Released into Air	pounds	26.4				2019		21
1.33	People with Low Access to a Grocery Store	percent	18.6				2015		20

1.17	Daily Dose of UV Irradiance	Joule per square meter	3277	3538		2015	11
1.17	Low-Income and Low Access to a Grocery Store	percent	4.3			2015	20
1.17	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1			2016	20
1.08	Number of Extreme Heat Days	days	2			2016	11
1.08	PBT Released	pounds	137.2			2019	21
1.00	Households with No Car and Low Access to a Grocery Store	percent	0.7			2015	20
1.00	People 65+ with Low Access to a Grocery Store	percent	1.4			2015	20
0.92	Adults with Current Asthma	percent	8.5		9.2	2018	3
0.92	Liquor Store Density	stores/ 100,000 population	6.9	6.9	10.5	2019	18
0.86	Overcrowded Households	percent of households	2.3	4.8		2015-2019	1
0.86	Severe Housing Problems	percent	13.7	17.4	18	2013-2017	6
0.53	Food Environment Index		8.2	5.9	7.8	2021	6
0.50	Access to Exercise Opportunities	percent	94.5	80.5	84	2020	6

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEAS. PERIOD	HIGH DISPARITY*	Source
2.00	Primary Care Provider Rate	providers/ 100,000 population	54		60.9		2018		6
1.92	Adults who have had a Routine Checkup	percent	73.6			76.7	2018		3
1.75	Adults without Health Insurance	percent	18.8			12.2	2018		3
1.69	Persons with Health Insurance	percent	86.6	92.1	79.3		2019		19
1.50	Children with Health Insurance	percent	90.3		87.3	94.3	2019		1
1.36	Social Worker Rate	workers/ 100,000 population	69.3		82.7		2020		13
1.33	Adults with Health Insurance	percent	85.7		75.5	87.1	2019		1
1.33	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	67.9		88.6		2020		6
1.25	Adults who Visited a Dentist	percent	66.3			66.5	2018		3
0.83	Dentist Rate	dentists/ 100,000 population	57.6		59.6		2019		6
0.83	Mental Health Provider Rate	providers/ 100,000 population	118.6			120.9	2020		6

SCORE	HEART DISEASE & STROKE	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.47	Hyperlipidemia: Medicare Population	percent	53.3		49.5	47.7	2018		5

2.08	Adults who Have Taken Medications for High Blood Pressure	*percent*	71.9			75.8	*2017*	3
1.92	Hypertension: Medicare Population	*percent*	59.3		59.9	57.2	*2018*	5
1.81	Atrial Fibrillation: Medicare Population	*percent*	8.4		7.8	8.4	*2018*	5
1.75	Age-Adjusted ER Rate due to Hypertension	*ER visits/ 10,000 population 18+ years*	27.4		10.5		*2017-2019*	16
1.75	Age-Adjusted Hospitalization Rate due to Hypertension	*hospitalizations/ 10,000 population 18+ years*	0.6		0.1		*2017-2019*	16
1.36	Stroke: Medicare Population	*percent*	3.9		4.2	3.8	*2018*	5
1.11	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	*deaths/ 100,000 population*	37.2	33.4	40.2	37.2	*2017-2019*	4
1.00	Ischemic Heart Disease: Medicare Population	*percent*	26.3		29	26.8	*2018*	5
0.94	High Blood Pressure Prevalence	*percent*	29.7	27.7		32.4	*2017*	3
0.92	Cholesterol Test History	*percent*	81.9			81.5	*2017*	3
0.92	High Cholesterol Prevalence: Adults 18+	*percent*	31.9			34.1	*2017*	3
0.75	Adults who Experienced a Stroke	*percent*	2.4			3.4	*2018*	3

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.75	Adults who Experienced Coronary Heart Disease	percent	5.1		6.8		2018		3
0.58	Age-Adjusted Death Rate due to Heart Attack	deaths/ 100,000 population 35+ years	41.9		70.1		2018		11
0.36	Heart Failure: Medicare Population	percent	12.2		15.6	14	2018		5
0.28	Age-Adjusted Death Rate due to Coronary Heart Disease	deaths/ 100,000 population	61.1	71.1	93	90.5	2017-2019		4

SCORE	IMMUNIZATIONS & INFECTIOUS DISEASES	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza	hospitalizations/ 10,000 population 18+ years	0.2		0.1		2017-2019		16
1.64	HIV Diagnosis Rate	cases/ 100,000 population	10.4		15.7		2018		13
1.42	Tuberculosis Incidence Rate	cases/ 100,000 population	2.5	1.4	4.3		2015-2019		13
1.14	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0.7		3	1.6	17-Sep-21		8
1.08	Syphilis Incidence Rate	cases/ 100,000 population	2.6		8.8	10.8	2018		13
1.06	Gonorrhea Incidence Rate	cases/ 100,000 population	89.9		163.6	179	2018		13

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.97	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	49.3		59.9	59.2	17-Sep-21		8
0.92	Chlamydia Incidence Rate	cases/ 100,000 population	279		508.2	540	2018		13
0.86	Overcrowded Households	percent of households	2.3		4.8		2015-2019		1
0.33	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	9.5		11.8	13.8	2017-2019		4

SCORE	MATERNAL, FETAL & INFANT HEALTH	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.72	Babies with Very Low Birth Weight	percent	1.4			1.4	2015	Black (3.69989722) White (1.32068452) Hisp (1.09135004)	13
1.56	Babies with Low Birth Weight	percent	7.9		8.2	8.1	2015		13
1.28	Mothers who Received Early Prenatal Care	percent	67.4		60.5	77.3	2017		13
1.03	Preterm Births	percent	9.8	9.4	12.2		2017		13
0.94	Teen Births	percent	0.9		2.1	3.1	2017	Black (1) White (0.4) Other (0) Hisp (2.3)	13
0.61	Infants Born to Mothers with <12 Years Education	percent	8.4		17.4	13.3	2017	Black (4.1) White (2.4) Other (5.6) Hisp (24.2)	13

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.53	Infant Mortality Rate	deaths/ 1,000 live births	3.5	5	5.6	5.9	2015		13

SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.97	Alzheimer's Disease or Dementia: Medicare Population	percent	12.2		12.6	10.8	2018		5
1.83	Depression: Medicare Population	percent	18.9		18.2	18.4	2018		5
1.25	Age-Adjusted ER Rate due to Adult Mental Health	ER visits/ 10,000 population 18+ years	3.3		8.9		2017-2019		16
1.25	Age-Adjusted Hospitalization Rate due to Adult Mental Health	hospitalizations/ 10,000 population 18+ years	0.8		1.7		2017-2019		16
1.14	Age-Adjusted Death Rate due to Suicide	deaths/ 100,000 population	11.9	12.8	13.5	14.1	2017-2019		4
0.92	Poor Mental Health: 14+ Days	percent	11.8			12.7	2018		3
0.83	Mental Health Provider Rate	providers/ 100,000 population	118.6		120.9		2020		6
0.67	Frequent Mental Distress	percent	11.6		11.6	13	2018		6

SCORE	OLDER ADULTS	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Osteoporosis: Medicare Population	percent	7.3		6.8	6.6	2018		5

2.47	Cancer: Medicare Population	*percent*	8.4		7.6	8.4	*2018*	5
2.47	Hyperlipidemia: Medicare Population	*percent*	53.3		49.5	47.7	*2018*	5
2.19	Asthma: Medicare Population	*percent*	5.4		4.9	5	*2018*	5
2.08	Chronic Kidney Disease: Medicare Population	*percent*	24.9		26.7	24.5	*2018*	5
2.08	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	*percent*	35.3		34.2	33.5	*2018*	5
1.97	Alzheimer's Disease or Dementia: Medicare Population	*percent*	12.2		12.6	10.8	*2018*	5
1.92	Hypertension: Medicare Population	*percent*	59.3		59.9	57.2	*2018*	5
1.83	Colon Cancer Screening	*percent*	60.6	74.4		66.4	*2018*	3
1.83	Depression: Medicare Population	*percent*	18.9		18.2	18.4	*2018*	5
1.81	Atrial Fibrillation: Medicare Population	*percent*	8.4		7.8	8.4	*2018*	5
1.58	Adults 65+ who Received Recommended Preventive Services: Males	*percent*	29			32.4	*2018*	3
1.36	Stroke: Medicare Population	*percent*	3.9		4.2	3.8	*2018*	5

1.25	Adults 65+ who Received Recommended Preventive Services: Females	percent	29.5		28.4	2018		3
1.00	Ischemic Heart Disease: Medicare Population	percent	26.3	29	26.8	2018		5
1.00	People 65+ with Low Access to a Grocery Store	percent	1.4			2015		20
0.83	Diabetes: Medicare Population	percent	25.2	28.8	27	2018		5
0.75	Adults 65+ with Total Tooth Loss	percent	9.6		13.5	2018		3
0.75	Adults with Arthritis	percent	20.8		25.8	2018		3
0.64	People 65+ Living Below Poverty Level	percent	5.1	10.6	9.3	2015-2019	Black (6.1) White (4.6) Asian (5.5) AIAN (9.7) NHPI (0) Mult (1.8) Other (11.4) Hisp (7.9)	1
0.36	Heart Failure: Medicare Population	percent	12.2	15.6	14	2018		5
0.25	COPD: Medicare Population	percent	10.1	11.2	11.5	2018		5

SCORE	ORAL HEALTH	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Age-Adjusted ER Rate due to Dental Problems	ER visits/ 10,000 population	25		11.1		2017-2019		16
1.50	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	10.9		11	11.8	2013-2017		9
1.25	Adults who Visited a Dentist	percent	66.3			66.5	2018		3
0.83	Dentist Rate	dentists/ 100,000 population	57.6		59.6		2019		6
0.75	Adults 65+ with Total Tooth Loss	percent	9.6			13.5	2018		3

SCORE	OTHER CONDITIONS	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Osteoporosis: Medicare Population	percent	7.3		6.8	6.6	2018		5
2.08	Chronic Kidney Disease: Medicare Population	percent	24.9		26.7	24.5	2018		5
2.08	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	35.3		34.2	33.5	2018		5
0.75	Adults with Arthritis	percent	20.8			25.8	2018		3
0.75	Adults with Kidney Disease	Percent of adults	2.3			3.1	2018		3

SCORE	PHYSICAL ACTIVITY	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.00	Grocery Store Density	stores/ 1,000 population	0.1				2016		20
2.00	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.86	SNAP Certified Stores	stores/ 1,000 population	0.3				2017		20
1.81	Fast Food Restaurant Density	restaurants/ 1,000 population	0.7				2016		20
1.50	Children with Low Access to a Grocery Store	percent	5.2				2015		20
1.50	Farmers Market Density	markets/ 1,000 population	0				2018		20
1.33	People with Low Access to a Grocery Store	percent	18.6				2015		20
1.17	Low-Income and Low Access to a Grocery Store	percent	4.3				2015		20
1.17	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1				2016		20
1.00	Households with No Car and Low Access to a Grocery Store	percent	0.7				2015		20
1.00	People 65+ with Low Access to a Grocery Store	percent	1.4				2015		20
0.53	Food Environment Index		8.2		5.9	7.8	2021		6

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.50	Access to Exercise Opportunities	percent	94.5		80.5	84	2020		6

SCORE	PREVENTION & SAFETY	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.86	Severe Housing Problems	percent	13.7		17.4	18	2013-2017		6
0.61	Death Rate due to Drug Poisoning	deaths/ 100,000 population	7.5		10.6	21	2017-2019		6
0.56	Age-Adjusted Death Rate due to Unintentional Injuries	deaths/ 100,000 population	26.6	43.2	38.7	48.9	2017-2019		4

SCORE	RESPIRATORY DISEASES	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.19	Asthma: Medicare Population	percent	5.4		4.9	5	2018		5
1.75	Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza	hospitalizations/ 10,000 population 18+ years	0.2		0.1		2017-2019		16
1.42	Tuberculosis Incidence Rate	cases/ 100,000 population	2.5	1.4	4.3		2015-2019		13
1.14	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0.7		3	1.6	17-Sep-21		8
0.97	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	49.3		59.9	59.2	17-Sep-21		8

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.92	Adults with Current Asthma	percent	8.5			9.2	2018		3
0.83	Adults who Smoke	percent	13.8	5		15.5	2018		3
0.75	Adults with COPD	Percent of adults	5.1			6.9	2018		3
0.33	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	9.5		11.8	13.8	2017-2019		4
0.33	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	30.8	25.1	34.1	38.5	2013-2017		9
0.25	COPD: Medicare Population	percent	10.1		11.2	11.5	2018		5
0.25	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	46.7		50.6	58.3	2013-2017		9

SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.64	HIV Diagnosis Rate	cases/ 100,000 population	10.4		15.7		2018		13
1.08	Syphilis Incidence Rate	cases/ 100,000 population	2.6		8.8	10.8	2018		13
1.06	Gonorrhea Incidence Rate	cases/ 100,000 population	89.9		163.6	179	2018		13
0.92	Chlamydia Incidence Rate	cases/ 100,000 population	279		508.2	540	2018		13

SCORE	WELLNESS & LIFESTYLE	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source

SCORE		UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.94	High Blood Pressure Prevalence	percent	29.7	27.7		32.4	2017		3
0.86	Insufficient Sleep	percent	33.5	31.4	34.4	35	2018		6
0.75	Poor Physical Health: 14+ Days	percent	10			12.5	2018		3
0.67	Frequent Physical Distress	percent	10		11.6	11	2018		6

SCORE	WOMEN'S HEALTH	UNITS	DENTON COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.31	Breast Cancer Incidence Rate	cases/ 100,000 females	127			112.8	126	2013-2017		9
1.28	Cervical Cancer Screening: 21-65	Percent	84	84.3		84.7	2018		3
0.94	Mammogram in Past 2 Years: 50-74	percent	74.8	77.1		74.8	2018		3
0.89	Cervical Cancer Incidence Rate	cases/ 100,000 females	6.1		9.2	7.6	2013-2017		9
0.69	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	17.5	15.3	19.8	20.1	2013-2017		9

Denton County Sources

Key	Source Title
1	American Community Survey
2	American Lung Association
3	CDC - PLACES
4	Centers for Disease Control and Prevention
5	Centers for Medicare & Medicaid Services
6	County Health Rankings
7	Feeding America
8	Healthy Communities Institute
9	National Cancer Institute
10	National Center for Education Statistics
11	National Environmental Public Health Tracking Network
12	Texas Department of Family and Protective Services
13	Texas Department of State Health Services
14	Texas Education Agency
15	Texas Secretary of State
	DFWHC Foundation Regional Data, Q1-Q4, 2017-2019.
16	DFWHC Foundation, Irving Texas. October 15, 2021
17	U.S. Bureau of Labor Statistics
18	U.S. Census - County Business Patterns
19	U.S. Census Bureau - Small Area Health Insurance Estimates
20	U.S. Department of Agriculture - Food Environment Atlas
21	U.S. Environmental Protection Agency
22	United For ALICE

Denton County Topic Scores

Health and Quality of Life Topics	Score
Other Conditions	1.68
Older Adults	1.51
Health Care Access & Quality	1.44

Children's Health	**1.40**
Diabetes	**1.37**
Physical Activity	**1.34**
Environmental Health	**1.30**
Alcohol & Drug Use	**1.28**
Mental Health & Mental Disorders	**1.23**
Women's Health	**1.22**
Heart Disease & Stroke	**1.22**
Oral Health	**1.22**
Sexually Transmitted Infections	**1.18**
Immunizations & Infectious Diseases	**1.12**
Community	**1.11**
Maternal, Fetal & Infant Health	**1.10**
Cancer	**1.05**
Economy	**0.96**
Respiratory Diseases	**0.93**
Education	**0.92**
Wellness & Lifestyle	**0.81**
Prevention & Safety	**0.68**

Wise County Indicator Scores

SCORE	ALCOHOL & DRUG USE	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Adults who Binge Drink	*percent*	16.8			16.4	*2018*		2

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Age-Adjusted ER Rate due to Opioid Use	ER visits/ 10,000 population 18+ years	1.2		0.7		2017-2019		15
1.50	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	Deaths per 100,000 population	15.7		12.1	22.8	2017-2019		3
1.25	Age-Adjusted ER Rate due to Substance Use	ER visits/ 10,000 population 18+ years	8.5		20.6		2017-2019		15
1.25	Death Rate due to Drug Poisoning	deaths/ 100,000 population	13.2		10.6	21	2017-2019		5
1.00	Liquor Store Density	stores/ 100,000 population	8.6		6.9	10.5	2019		17
0.94	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	24.2	28.3	25.7	27	2015-2019		5

SCORE	CANCER	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	72.1		50.6	58.3	2013-2017		8
2.72	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	55.1	25.1	34.1	38.5	2013-2017		8
2.58	Cancer: Medicare Population	percent	8.4		7.6	8.4	2018		4

2.56	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	181.4	122.7	148.8	155.5	2013-2017	8
2.47	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	28.5	15.3	19.8	20.1	2013-2017	8
2.11	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	16.5	8.9	13.9	13.7	2013-2017	8
2.03	Colorectal Cancer Incidence Rate	cases/ 100,000 population	43.7		37.6	38.4	2013-2017	8
1.94	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	14.1		11	11.8	2013-2017	8
1.92	All Cancer Incidence Rate	cases/ 100,000 population	431.4		407.7	448.7	2013-2017	8
1.61	Mammogram in Past 2 Years: 50-74	percent	69.7	77.1		74.8	2018	2
1.50	Colon Cancer Screening	percent	62.3	74.4		66.4	2018	2
1.44	Cervical Cancer Screening: 21-65	Percent	82.2	84.3		84.7	2018	2
1.25	Adults with Cancer	percent	7.2			6.9	2018	2
1.03	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	18.5	16.9	17.6	19	2013-2017	8

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.69	Breast Cancer Incidence Rate	cases/ 100,000 females	103.2		112.8	125.9	2013-2017		8
0.36	Prostate Cancer Incidence Rate	cases/ 100,000 males	71.8		94	104.5	2013-2017		8

SCORE	CHILDREN'S HEALTH	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.17	Food Insecure Children Likely Ineligible for Assistance	percent	35		34	23	2019		6
2.06	Substantiated Child Abuse Rate	cases/ 1,000 children	14.6	8.7	9.1		2020		11
1.83	Child Food Insecurity Rate	percent	19.8		19.6	14.6	2019		6
1.83	Children with Health Insurance	percent	84.6		87.3	94.3	2019		1
1.75	Projected Child Food Insecurity Rate	percent	23.7		23.6		2021		6
1.00	Children with Low Access to a Grocery Store	percent	1.6				2015		19

SCORE	COMMUNITY	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.64	Mean Travel Time to Work	minutes	32.2		26.6	26.9	2015-2019		1
2.64	Solo Drivers with a Long Commute	percent	48.4		38.9	37	2015-2019		5

2.47	Age-Adjusted Death Rate due to Motor Vehicle Traffic Collisions	deaths/ 100,000 population	30.3	10.1	13	11.3	2017-2019		3
2.25	Female Population 16+ in Civilian Labor Force	percent	52.3		57.8	58.3	2015-2019		1
2.06	Substantiated Child Abuse Rate	cases/ 1,000 children	14.6	8.7	9.1		2020		11
2.00	Median Monthly Owner Costs for Households without a Mortgage	dollars	488		514	500	2015-2019		1
2.00	Mortgaged Owners Median Monthly Household Costs	dollars	1544		1606	1595	2015-2019		1
1.97	Persons with Health Insurance	percent	78.4	92.1	79.3		2019		18
1.97	Workers who Drive Alone to Work	percent	82.3		80.5	76.3	2015-2019		1
1.94	Workers Commuting by Public Transportation	percent	0.2	5.3	1.4	5	2015-2019	Black (0) White (0.2) Asian (0) AIAN (0) NHPI (0) Mult (0) Other (3.1) Hisp (0.3)	1

1.75	Social Associations	*membership associations/ 10,000 population*	10	7.5	9.3	*2018*	5
1.72	Median Household Gross Rent	*dollars*	966	1045	1062	*2015-2019*	1
1.64	Linguistic Isolation	*percent*	4.3	7.7	4.4	*2015-2019*	1
1.64	Population 16+ in Civilian Labor Force	*percent*	58	61	59.6	*2015-2019*	1
1.58	People 25+ with a Bachelor's Degree or Higher	*percent*	18	29.9	32.1	*2015-2019*	1
1.58	Persons with an Internet Subscription	*percent*	80.9	84.2	86.2	*2015-2019*	1
1.50	Households with an Internet Subscription	*percent*	77.9	82.1	83	*2015-2019*	1
1.25	Social Worker Rate	*workers/ 100,000 population*	54.7	82.7		*2020*	12
1.19	Voter Turnout: Presidential Election	*percent*	63.3	58.8		*2016*	14
1.17	Median Housing Unit Value	*dollars*	170300	172500 0	217500 0	*2015-2019*	1
1.08	People 25+ with a High School Degree or Higher	*percent*	85.3	83.7	88	*2015-2019*	1

1.08	Per Capita Income	dollars	29418		31277	34103	2015-2019		1
1.03	Total Employment Change	percent	2.6		2.9	1.6	2018-2019		17
1.00	Households with No Car and Low Access to a Grocery Store	percent	1.4				2015		19
0.94	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	24.2	28.3	25.7	27	2015-2019		5
0.83	Households with One or More Types of Computing Devices	percent	91.2		91	90.3	2015-2019		1
0.69	Children Living Below Poverty Level	percent	16.3		20.9	18.5	2015-2019	Black (4.5) White (11.6) Asian (0) AIAN (0) NHPI (0) Mult (4.9) Other (0.9) Hisp (29.7)	1
0.61	People Living Below Poverty Level	percent	10.7	8	14.7	13.4	2015-2019		1

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.42	Median Household Income	dollars	64536		61874	62843	2015-2019		1
0.36	Homeownership	percent	70.3		54.9	56.2	2015-2019		1
0.36	Single-Parent Households	percent	17.1		26.3	25.5	2015-2019		1

SCORE	DIABETES	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.97	Diabetes: Medicare Population	percent	28.8		28.8	27	2018		4
1.75	Age-Adjusted ER Rate due to Diabetes	ER visits/ 10,000 population 18+ years	21.2		9.4		2017-2019		15
1.75	Age-Adjusted ER Rate due to Type 2 Diabetes	ER visits/ 10,000 population 18+ years	19.4		8.6		2017-2019		15
1.75	Age-Adjusted Hospitalization Rate due to Diabetes	hospitalizations/ 10,000 population 18+ years	11.7		5.3		2017-2019		15
1.75	Age-Adjusted Hospitalization Rate due to Type 2 Diabetes	hospitalizations/ 10,000 population 18+ years	7.5		4		2017-2019		15
0.64	Age-Adjusted Death Rate due to Diabetes	deaths/ 100,000 population	18.4		22	21.5	2017-2019		3

SCORE	ECONOMY	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	Female Population 16+ in Civilian Labor Force	percent	52.3		57.8	58.3	2015-2019		1
2.25	Mortgaged Owners Spending 30% or More of Household Income on Housing	percent	32		26.5	26.5	2019		1
2.17	Food Insecure Children Likely Ineligible for Assistance	percent	35		34	23	2019		6
2.00	Median Monthly Owner Costs for Households without a Mortgage	dollars	488		514	500	2015-2019		1
2.00	Mortgaged Owners Median Monthly Household Costs	dollars	1544		1606	1595	2015-2019		1
1.86	SNAP Certified Stores	stores/ 1,000 population	0.6				2017		19
1.83	Child Food Insecurity Rate	percent	19.8		19.6	14.6	2019		6
1.83	Food Insecurity Rate	percent	14.4		14.1	10.9	2019		6

	Indicator	Units				Year	Rank
1.75	Projected Child Food Insecurity Rate	percent	23.7	23.6		2021	6
1.72	Median Household Gross Rent	dollars	966	1045	1062	2015-2019	1
1.67	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	33	30		2018	21
1.64	Population 16+ in Civilian Labor Force	percent	58	61	59.6	2015-2019	1
1.58	Projected Food Insecurity Rate	percent	16.7	16.5		2021	6
1.50	WIC Certified Stores	stores/ 1,000 population	0.1			2016	19
1.47	Overcrowded Households	percent of households	3.9	4.8		2015-2019	1
1.42	Severe Housing Problems	percent	13.5	17.4	18	2013-2017	5
1.33	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	56	56		2018	21

1.31	Students Eligible for the Free Lunch Program	percent	39.8			2019-2020	9
1.17	Median Housing Unit Value	dollars	170300	172500	217500	2015-2019	1
1.17	Renters Spending 30% or More of Household Income on Rent	percent	44.4	47.8	49.6	2015-2019	1
1.08	Per Capita Income	dollars	29418	31277	34103	2015-2019	1
1.03	Total Employment Change	percent	2.6	2.9	1.6	2018-2019	17
1.03	Unemployed Workers in Civilian Labor Force	percent	5.9	6.7	6.1	Jun-21	16
1.00	Households that are Below the Federal Poverty Level	percent	11	14		2018	21
1.00	Low-Income and Low Access to a Grocery Store	percent	1.8			2015	19

0.69	Children Living Below Poverty Level	percent	16.3		20.9	18.5	2015-2019	Black (4.5) White (11.6) Asian (0) AIAN (0) NHPI (0) Mult (4.9) Other (0.9) Hisp (29.7)	1
0.69	Households with Cash Public Assistance Income	percent	1.3		1.4	2.4	2015-2019		1
0.61	People Living Below Poverty Level	percent	10.7	8	14.7	13.4	2015-2019		1
0.58	People Living 200% Above Poverty Level	percent	70		65.7	69.1	2015-2019		1
0.53	Families Living Below Poverty Level	percent	8.2		11.3	9.5	2015-2019	Black (7.5) White (6) Asian (0) AIAN (1.7) NHPI (0) Mult (2.2) Other (0.7) Hisp (20.1)	1
0.42	Median Household Income	dollars	64536		61874	62843	2015-2019		1
0.36	Homeownership	percent	70.3		54.9	56.2	2015-2019		1

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.36	People 65+ Living Below Poverty Level	percent	7		10.6	9.3	*2015-2019*		1
0.36	Persons with Disability Living in Poverty (5-year)	percent	10.2		23.2	26.1	*2015-2019*		1

SCORE	EDUCATION	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	High School Drop Out Rate	percent	3.3		1.9		*2019*	Black (0) White (2.9) Asian (0) AIAN (0) PI (0) Mult (0) Hisp (4.5)	13
1.58	People 25+ with a Bachelor's Degree or Higher	percent	18		29.9	32.1	*2015-2019*		1
1.36	Student-to-Teacher Ratio	*students/ teacher*	13.2				*2019-2020*		9
1.08	People 25+ with a High School Degree or Higher	percent	85.3		83.7	88	*2015-2019*		1
0.50	Infants Born to Mothers with <12 Years Education	percent	12.8		17.4	13.3	*2017*	White (7) Other (0) Hisp (29)	12

SCORE	ENVIRONMENTAL HEALTH	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source

	Indicator	Units	Value 1	Value 2	Value 3	Year	Rank
2.50	Access to Exercise Opportunities	*percent*	38.4	80.5	84	*2020*	5
2.33	Asthma: Medicare Population	*percent*	5.4	4.9	5	*2018*	4
1.86	SNAP Certified Stores	*stores/ 1,000 population*	0.6			*2017*	19
1.81	Recreation and Fitness Facilities	*facilities/ 1,000 population*	0			*2016*	19
1.64	Number of Extreme Precipitation Days	*days*	43			*2016*	10
1.58	Adults with Current Asthma	*percent*	9.3		9.2	*2018*	2
1.50	Farmers Market Density	*markets/ 1,000 population*	0			*2018*	19
1.50	Fast Food Restaurant Density	*restaurants/ 1,000 population*	0.6			*2016*	19
1.50	Grocery Store Density	*stores/ 1,000 population*	0.2			*2016*	19
1.50	WIC Certified Stores	*stores/ 1,000 population*	0.1			*2016*	19
1.47	Overcrowded Households	*percent of households*	3.9	4.8		*2015-2019*	1
1.42	Severe Housing Problems	*percent*	13.5	17.4	18	*2013-2017*	5
1.36	Months of Mild Drought or Worse	*months per year*	3			*2016*	10

SCORE		UNITS	WISE COUNTY		TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.36	PBT Released	pounds	0				2019		20
1.36	Recognized Carcinogens Released into Air	pounds	2243				2019		20
1.00	Children with Low Access to a Grocery Store	percent	1.6				2015		19
1.00	Households with No Car and Low Access to a Grocery Store	percent	1.4				2015		19
1.00	Liquor Store Density	stores/ 100,000 population	8.6		6.9	10.5	2019		17
1.00	Low-Income and Low Access to a Grocery Store	percent	1.8				2015		19
1.00	People 65+ with Low Access to a Grocery Store	percent	0.8				2015		19
1.00	People with Low Access to a Grocery Store	percent	6				2015		19
0.97	Food Environment Index		7.8		5.9	7.8	2021		5
0.75	Daily Dose of UV Irradiance	Joule per square meter	3294		3538		2015		10

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.17	Primary Care Provider Rate	providers/ 100,000 population	39.5		60.9		2018		5
2.06	Dentist Rate	dentists/ 100,000 population	27.2		59.6		2019		5
1.97	Persons with Health Insurance	percent	78.4	92.1	79.3		2019		18
1.92	Adults who have had a Routine Checkup	percent	73.4			76.7	2018		2
1.83	Adults with Health Insurance	percent	74.6		75.5	87.1	2019		1
1.83	Children with Health Insurance	percent	84.6		87.3	94.3	2019		1
1.75	Adults who Visited a Dentist	percent	56.8			66.5	2018		2
1.75	Adults without Health Insurance	percent	22.7			12.2	2018		2
1.67	Mental Health Provider Rate	providers/ 100,000 population	30		120.9		2020		5
1.33	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	75.7		88.6		2020		5
1.25	Social Worker Rate	workers/ 100,000 population	54.7		82.7		2020		12

SCORE	HEART DISEASE & STROKE	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source

2.92	Hypertension: Medicare Population	*percent*	66.4		59.9	57.2	*2018*	4
2.64	Atrial Fibrillation: Medicare Population	*percent*	9.6		7.8	8.4	*2018*	4
2.64	Stroke: Medicare Population	*percent*	5.6		4.2	3.8	*2018*	4
2.50	Ischemic Heart Disease: Medicare Population	*percent*	34.4		29	26.8	*2018*	4
2.47	Heart Failure: Medicare Population	*percent*	18.2		15.6	14	*2018*	4
2.31	Hyperlipidemia: Medicare Population	*percent*	51.5		49.5	47.7	*2018*	4
1.94	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	*deaths/ 100,000 population*	42.9	33.4	40.2	37.2	*2017-2019*	3
1.92	Adults who Have Taken Medications for High Blood Pressure	*percent*	75.2			75.8	*2017*	2
1.75	Age-Adjusted ER Rate due to Hypertension	*ER visits/ 10,000 population 18+ years*	19.7		10.5		*2017-2019*	15

SCORE	Indicator	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Age-Adjusted Hospitalization Rate due to Hypertension	*hospitalizations/ 10,000 population 18+ years*	1.2			0.3	*2016-2018*		15
1.72	Age-Adjusted Death Rate due to Coronary Heart Disease	*deaths/ 100,000 population*	94.6	71.1	93	90.5	*2017-2019*		3
1.67	High Blood Pressure Prevalence	*percent*	36.3	27.7		32.4	*2017*		2
1.58	Adults who Experienced Coronary Heart Disease	*percent*	7.9			6.8	*2018*		2
1.42	Cholesterol Test History	*percent*	80.4			81.5	*2017*		2
1.42	High Cholesterol Prevalence: Adults 18+	*percent*	36.6			34.1	*2017*		2
1.25	Adults who Experienced a Stroke	*percent*	3.6			3.4	*2018*		2
0.86	Age-Adjusted Death Rate due to Heart Attack	*deaths/ 100,000 population 35+ years*	45.2			70.1	*2018*		10

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.67	COVID-19 Daily Average Case-Fatality Rate	*deaths per 100 cases*	1.8		3	1.6	17-Sep-21		7
1.50	COVID-19 Daily Average Incidence Rate	*cases per 100,000 population*	58.3		59.9	59.2	17-Sep-21		7
1.47	Overcrowded Households	*percent of households*	3.9		4.8		*2015-2019*		1
1.22	Syphilis Incidence Rate	*cases/ 100,000 population*	2.9		8.8	10.8	*2018*		12
1.08	Tuberculosis Incidence Rate	*cases/ 100,000 population*	0.9	1.4	4.3		*2015-2019*		12
0.86	HIV Diagnosis Rate	*cases/ 100,000 population*	0		15.7		*2018*		12
0.75	Chlamydia Incidence Rate	*cases/ 100,000 population*	161		508.2	539.9	*2018*		12
0.75	Gonorrhea Incidence Rate	*cases/ 100,000 population*	43.9		163.6	179.1	*2018*		12
0.67	Age-Adjusted Death Rate due to Influenza and Pneumonia	*deaths/ 100,000 population*	11.9		11.8	13.8	*2017-2019*		3

SCORE	MATERNAL, FETAL & INFANT HEALTH	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Babies with Very Low Birth Weight	*percent*	1.6			1.4	*2015*		12

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.44	Mothers who Received Early Prenatal Care	percent	64.6		60.5	77.3	2017		12
1.11	Teen Births	percent	2		2.1	3.1	2017	White (0) Other (0) Hisp (0)	12
0.97	Preterm Births	percent	9.2	9.4	12.2		2017		12
0.78	Babies with Low Birth Weight	percent	6.1		8.2	8.1	2015		12
0.53	Infant Mortality Rate	deaths/ 1,000 live births	2.4	5	5.6	5.9	2015		12
0.50	Infants Born to Mothers with <12 Years Education	percent	12.8		17.4	13.3	2017	White (7) Other (0) Hisp (29)	12

SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.42	Depression: Medicare Population	percent	19.7		18.2	18.4	2018		4
2.31	Age-Adjusted Death Rate due to Suicide	deaths/ 100,000 population	18.7	12.8	13.5	14.1	2017-2019		3
2.31	Alzheimer's Disease or Dementia: Medicare Population	percent	12.8		12.6	10.8	2018		4
1.83	Frequent Mental Distress	percent	14.7		11.6	13	2018		5

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.75	Poor Mental Health: 14+ Days	percent	14.3			12.7	2018		2
1.67	Mental Health Provider Rate	providers/ 100,000 population	30		120.9		2020		5
1.25	Age-Adjusted ER Rate due to Adult Mental Health	ER visits/ 10,000 population 18+ years	2.4		8.9		2017-2019		15

SCORE	OLDER ADULTS	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.92	Hypertension: Medicare Population	percent	66.4		59.9	57.2	2018		4
2.64	Atrial Fibrillation: Medicare Population	percent	9.6		7.8	8.4	2018		4
2.64	COPD: Medicare Population	percent	16.4		11.2	11.5	2018		4
2.64	Osteoporosis: Medicare Population	percent	7.8		6.8	6.6	2018		4
2.64	Stroke: Medicare Population	percent	5.6		4.2	3.8	2018		4
2.58	Cancer: Medicare Population	percent	8.4		7.6	8.4	2018		4
2.58	Chronic Kidney Disease: Medicare Population	percent	27		26.7	24.5	2018		4

2.50	Ischemic Heart Disease: Medicare Population	*percent*	34.4	29	26.8	*2018*	4
2.47	Heart Failure: Medicare Population	*percent*	18.2	15.6	14	*2018*	4
2.42	Depression: Medicare Population	*percent*	19.7	18.2	18.4	*2018*	4
2.33	Asthma: Medicare Population	*percent*	5.4	4.9	5	*2018*	4
2.31	Alzheimer's Disease or Dementia: Medicare Population	*percent*	12.8	12.6	10.8	*2018*	4
2.31	Hyperlipidemia: Medicare Population	*percent*	51.5	49.5	47.7	*2018*	4
2.31	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	*percent*	37.2	34.2	33.5	*2018*	4
1.97	Diabetes: Medicare Population	*percent*	28.8	28.8	27	*2018*	4

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.92	Adults 65+ who Received Recommended Preventive Services: Females	percent	24.6			28.4	2018		2
1.92	Adults 65+ who Received Recommended Preventive Services: Males	percent	24.6			32.4	2018		2
1.58	Adults 65+ with Total Tooth Loss	percent	15.3			13.5	2018		2
1.50	Colon Cancer Screening	percent	62.3	74.4		66.4	2018		2
1.25	Adults with Arthritis	percent	26.3			25.8	2018		2
1.00	People 65+ with Low Access to a Grocery Store	percent	0.8				2015		19
0.36	People 65+ Living Below Poverty Level	percent	7		10.6	9.3	2015-2019		1

SCORE	ORAL HEALTH	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.06	Dentist Rate	dentists/ 100,000 population	27.2		59.6		2019		5
1.94	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	14.1		11	11.8	2013-2017		8

SCORE		UNITS	WISE COUNTY				MEASUREMENT PERIOD		Source
1.75	Adults who Visited a Dentist	percent	56.8			66.5	2018		2
1.75	Age-Adjusted ER Rate due to Dental Problems	ER visits/ 10,000 population	26.9		11.1		2017-2019		15
1.58	Adults 65+ with Total Tooth Loss	percent	15.3			13.5	2018		2

SCORE	OTHER CONDITIONS	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.64	Osteoporosis: Medicare Population	percent	7.8		6.8	6.6	2018		4
2.58	Chronic Kidney Disease: Medicare Population	percent	27		26.7	24.5	2018		4
2.31	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	37.2		34.2	33.5	2018		4
1.25	Adults with Arthritis	percent	26.3			25.8	2018		2
0.92	Adults with Kidney Disease	Percent of adults	3.1			3.1	2018		2

SCORE	PHYSICAL ACTIVITY	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.50	Access to Exercise Opportunities	percent	38.4		80.5	84	2020		5

1.86	SNAP Certified Stores	*stores/ 1,000 population*	0.6	*2017*	19
1.81	Recreation and Fitness Facilities	*facilities/ 1,000 population*	0	*2016*	19
1.50	Farmers Market Density	*markets/ 1,000 population*	0	*2018*	19
1.50	Fast Food Restaurant Density	*restaurants/ 1,000 population*	0.6	*2016*	19
1.50	Grocery Store Density	*stores/ 1,000 population*	0.2	*2016*	19
1.50	WIC Certified Stores	*stores/ 1,000 population*	0.1	*2016*	19
1.00	Children with Low Access to a Grocery Store	*percent*	1.6	*2015*	19
1.00	Households with No Car and Low Access to a Grocery Store	*percent*	1.4	*2015*	19
1.00	Low-Income and Low Access to a Grocery Store	*percent*	1.8	*2015*	19
1.00	People 65+ with Low Access to a Grocery Store	*percent*	0.8	*2015*	19
1.00	People with Low Access to a Grocery Store	*percent*	6	*2015*	19

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
0.97	Food Environment Index		7.8		5.9	7.8	*2021*		5

SCORE	PREVENTION & SAFETY	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.56	Age-Adjusted Death Rate due to Unintentional Injuries	*deaths/ 100,000 population*	65.7	43.2	38.7	48.9	*2017-2019*		3
1.42	Severe Housing Problems	*percent*	13.5		17.4	18	*2013-2017*		5
1.25	Death Rate due to Drug Poisoning	*deaths/ 100,000 population*	13.2		10.6	21	*2017-2019*		5

SCORE	RESPIRATORY DISEASES	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Lung and Bronchus Cancer Incidence Rate	*cases/ 100,000 population*	72.1		50.6	58.3	*2013-2017*		8
2.72	Age-Adjusted Death Rate due to Lung Cancer	*deaths/ 100,000 population*	55.1	25.1	34.1	38.5	*2013-2017*		8
2.64	COPD: Medicare Population	*percent*	16.4		11.2	11.5	*2018*		4
2.33	Asthma: Medicare Population	*percent*	5.4		4.9	5	*2018*		4
1.83	Adults who Smoke	*percent*	18.9	5		15.5	*2018*		2

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.67	COVID-19 Daily Average Case-Fatality Rate	*deaths per 100 cases*	1.8		3	1.6	17-Sep-21		7
1.58	Adults with COPD	*Percent of adults*	8.3			6.9	*2018*		2
1.58	Adults with Current Asthma	*percent*	9.3			9.2	*2018*		2
1.50	COVID-19 Daily Average Incidence Rate	*cases per 100,000 population*	58.3		59.9	59.2	17-Sep-21		7
1.08	Tuberculosis Incidence Rate	*cases/ 100,000 population*	0.9	1.4	4.3		*2015-2019*		12
0.67	Age-Adjusted Death Rate due to Influenza and Pneumonia	*deaths/ 100,000 population*	11.9		11.8	13.8	*2017-2019*		3

SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.22	Syphilis Incidence Rate	*cases/ 100,000 population*	2.9		8.8	10.8	*2018*		12
0.86	HIV Diagnosis Rate	*cases/ 100,000 population*	0		15.7		*2018*		12
0.75	Chlamydia Incidence Rate	*cases/ 100,000 population*	161		508.2	539.9	*2018*		12
0.75	Gonorrhea Incidence Rate	*cases/ 100,000 population*	43.9		163.6	179.1	*2018*		12

SCORE	WELLNESS & LIFESTYLE	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source

SCORE		UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.83	Frequent Physical Distress	percent	13.1		11.6	11	2018		5
1.67	High Blood Pressure Prevalence	percent	36.3	27.7		32.4	2017		2
1.58	Poor Physical Health: 14+ Days	percent	14			12.5	2018		2
1.42	Insufficient Sleep	percent	35.6	31.4	34.4	35	2018		5

SCORE	WOMEN'S HEALTH	UNITS	WISE COUNTY	HP2030	TX	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.47	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	28.5	15.3	19.8	20.1	2013-2017		8
1.61	Mammogram in Past 2 Years: 50-74	percent	69.7	77.1		74.8	2018		2
1.44	Cervical Cancer Screening: 21-65	Percent	82.2	84.3		84.7	2018		2
0.69	Breast Cancer Incidence Rate	cases/ 100,000 females	103.2		112.8	125.9	2013-2017		8

Wise County Data Sources

Key	Source Name
1	American Community Survey
2	CDC - PLACES
3	Centers for Disease Control and Prevention
4	Centers for Medicare & Medicaid Services
5	County Health Rankings
6	Feeding America
7	Healthy Communities Institute
8	National Cancer Institute
9	National Center for Education Statistics
10	National Environmental Public Health Tracking Network
11	Texas Department of Family and Protective Services
12	Texas Department of State Health Services
13	Texas Education Agency
14	Texas Secretary of State
15	DFWHC Foundation Regional Data, Q1-Q4, 2017-2019. DFWHC Foundation, Irving Texas. October 15, 2021
16	U.S. Bureau of Labor Statistics
17	U.S. Census - County Business Patterns
18	U.S. Census Bureau - Small Area Health Insurance Estimates
19	U.S. Department of Agriculture - Food Environment Atlas
20	U.S. Environmental Protection Agency
21	United For ALICE

Wise County Topic Scores

Health and Quality of Life Topics	Score
Older Adults	2.13
Other Conditions	1.94
Mental Health & Mental Disorders	1.93
Heart Disease & Stroke	1.93
Respiratory Diseases	1.85
Oral Health	1.82
Cancer	1.81
Health Care Access & Quality	1.78
Children's Health	1.77
Prevention & Safety	1.74
Wellness & Lifestyle	1.63
Diabetes	1.60
Women's Health	1.55
Community	1.46
Environmental Health	1.41
Physical Activity	1.40
Education	1.35
Alcohol & Drug Use	1.35
Economy	1.28
Immunizations & Infectious Diseases	1.11
Maternal, Fetal & Infant Health	1.01
Sexually Transmitted Infections	0.90

Appendix B. Community Input Assessment Tools

Key Informant Interview Guide and Questions

INTRODUCTION
HCI Facilitator: Introduce yourself and any others on the team

OPENING SCRIPT: TEXAS HEALTH RESOURCES (THR) has invited you to take part in this Key Informant Interview because of your content expertise and your experience working in the community. Our work on behalf of THR is focused on understanding what health issues and challenges impact the residents of **DENTON/WISE** County and how to improve their overall health. The insights and perspectives collected in this interview will provide important information that will ultimately be combined with the results of a key informant interviews, focus groups, and data analysis of state and national indicators. These data components will be compiled into a comprehensive report outlining the health needs in the Southern Region which includes **DENTON/WISE** County. The final reports will be completed in the summer of 2022.

CONFIDENTIALITY: For this interview, we will be taking notes on your responses, your names will not be associated with any direct quotes. Your identity will be kept confidential.

1. **To begin, could you please tell us a little about the organization you work for and the geographic location it serves?**
    a. *(only probe if necessary) What is your organization's mission? What are the top priority health issues that your organization addresses?*
    b. *(only ask if not clear) Does your organization provide direct care, operate as an advocacy organization, or have another role in the community?*
    c. *Which geographic location(s) does your organization serve? (to help us understand or confirm relevant service areas)*

2. **Considering the impact of Covid-19, what would you consider the top 5 health issues exacerbated by the pandemic in DENTON/WISE county?**

    a. *What are the possible solutions to improve the health issues you've described?*
    b. *What solutions have your organization/agency put in place or considered to help improve the health issues you described?*
    c. *How can Texas Health support these health improvement efforts?*

3. **Along the same lines, what would you consider the top 5 socioeconomic needs exacerbated by the pandemic in [County Name/Zip code]?**
   a. *What are the possible solutions to improve the socioeconomic needs you've described?*
   b. *What specific solutions have your organization/agency put in place or considered to help improve the socioeconomic issues you described?*
   c. *How can Texas Health support these socioeconomic improvement efforts?*

4. **Thinking about the solutions you described to address the health and socioeconomic needs, to what extent does your organization/agency have what it needs to deliver these services/resources in the community effectively?**
   a. *How do aspects of this community's [County Name/Zip code] infrastructure (i.e., physical environment, policies, partnerships) help or hinder your ability to deliver the services/resources you described?*
   b. *How can Texas Health support the success of these services/resources?*

5. **How can community leaders, community-based organizations, and health care systems work collaboratively to address this community's [County Name/Zip codes] health and socioeconomic?**
   a. *To your knowledge, what strategies have been used in the past to drive collaboration across these partners? What worked, what didn't, and why?*
   b. *What challenges/barriers should Texas Health anticipate in its efforts to work with community leaders and members to address the health and socioeconomic needs in this community?*
   c. *How can Texas Health proactively address these challenges/barriers?*

6. **Finally, what do you consider the best practices that are currently going on to improve the health and socio-economic needs in this community [County/Zip codes]?**

7. **What is the most crucial message/feedback you want Texas Health to take away from this interview?**

   a. Is there anything else you would like to add about any of the topics we've discussed or other areas that we didn't discuss but you think are essential?

CLOSING SCRIPT: Thank you so much for your time and participation today. In terms of next steps, we will be collecting and analyzing the data for this needs assessment over the next few months. The final report will be available to everyone who participated, as well as the general public. If you have additional comments or thoughts after our conversation today, please feel free to reach out to *Eileen Aguilar* or Oge/Sika.
HCI Facilitator: Send a follow-up email to the key informant, thanking them for their time and make sure to include a link to the survey!

Focus Group Guide and Questions

INTRODUCTION
{Introduce Yourself and Others on the Team}
{"Let's get started…}
Opening Script: Thank you for taking the time to speak with us to support the Texas Health Resources (THR) Community Health Needs Assessment. We anticipate that this discussion will last no more than 60 minutes. You have been invited to take part in this focus group because of your experience living and/or working in Denton/Wise County. The focus of our Community Health Needs Assessment is how to improve health in the community and understand what challenges residents are facing. We are going to ask a series of questions related to health issues in the community. We hope to get through as many questions as possible and hear each of your perspectives as much as time allows.

For this discussion group, I will invite you to share as much or little as you feel comfortable sharing with the others in the group. The results of this assessment will be made available to the public. We will be taking notes on your responses, but your names will not be associated with any direct quotes. Your identity will be kept confidential, so please share your honest opinions.
SHOW SLIDES (if applicable)--We do have a few ground rules for this virtual discussion that I would like to review with you. It is important that everyone has a chance to be heard, so we ask that only one person talks at a time (most important ground rule for today). You may use the "raise hand" functions when you have something to say [*give instructions and test*]. We may also call on you to sure ensure everyone has a chance to speak but if you have nothing to share, please just say "pass".
You may want to mute yourself when you are not speaking to cut down on background noise [*give instructions and test mute/unmute*]. Finally, please respect the opinions of others, as the point of the discussion is to collect various points of view. And remember, there are no right or wrong answers, so please share freely and openly. Does anyone have any questions before we get started?
Okay, let's get started by going around and introducing ourselves. Please tell everyone your first name, what community you live in, and if you are interested in sharing, your involvement in the community (could be your job or volunteer work for example).
{Introductions}
Thank you for introducing yourselves. Now we will get started with our discussion.
COVID-19 QUESTION
1. **We know that COVID-19 has significantly impacted everyone's lives. What have you seen as the biggest challenges in XXXXX County during the pandemic?**

   [*Probe 1: Which groups of people are having the hardest time right now?*]
   [*Probe 2: How have you seen these challenges being addressed, if at all?*]
   [*Probe 3: What programs have addressed COVID related issues? What has worked?*]
   [*Probe 4: What hasn't been effective and, in your opinion, why?*]

GENERAL HEALTH QUESTIONS
2. **What would you say are the top three health related problems that people in your community are facing that you would like to change or improve?**

[Probe 1: Why do you think these are the most important health issues?
[Probe 2: What would you do to address these problems?]
[Probe 3: What else is needed to address these problems? Examples could be specific policies, programs, or services.]

3. **What might prevent someone from accessing care for the health challenges identified above?**

   [Examples could include lack of transportation, lack of health insurance coverage, doctor's office hours, language, or cultural barriers, etc.]

4. **Are there specific groups in your community that are most impacted by the health issues or challenges discussed earlier (2-3)? Which groups are these?**

   [Probe: Are these health challenges different if the person is a particular age, or gender, race, or ethnicity? Or lives in a certain part of the county for example?]

5. **From the health issues and challenges we've just discussed, which do you think can be addressed in the next three years?**

   [Probe 1: How do you think these health issues can be addressed?}
   [Probe 2: Are some of these issues more urgent or important than others? If so, why?]

6. **In 2019, Depression and anxiety among adults 18+ were identified as important health issues in your community. Do you know of any programs or services that are available in your community to address this issue?**

   [Prompt: Have you or someone you know benefited from these programs or services? If so, what do you think has worked? What do you think can be improved?]

7. **What resources are currently available for residents in your community for the identified health/social determinant problem/s we've discussed today?**

   [Probe 1: Are there specific community organizations or agencies that you see taking a strong leadership role for improving the health of particular groups in your community?]
   [Probe 2: Do you see residents taking advantage of them? Why or why not?]
   [Probe 3: What additional programs and resources do you think are needed to best meet the needs of residents in _____ County?]
   [Probe 4: Are you aware of any THR-Community Health Improvement program(s) in your community?]

CLOSING QUESTION

8. **Can you think of any other ways we could improve the health of residents in the community that we have not already talked about today?**

   [Probe: Is there anything else you would like to add that we haven't discussed?]

CONCLUSION
{Review the summary points and key takeaways from discussion}
{Check if note taker needs any clarification}
CLOSURE SCRIPT: Thank you very much for your time and willingness to share your experiences with us today. We will include your comments in our data to describe how health can be improved for residents in your community. Please remember, your name will not be connected to any of the comments you made today. Please let us know if you have any questions or concerns about this.

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Listening Session Questions

1. Name of the organization you represent.

2. What region/county/counties do your organization provide direct services to? (select all that apply)
   a. Dallas County
   b. Rockwall County
   c. Denton/Wise County
   d. Parker County
   e. Denton County
   f. Wise County
   g. Denton/Wise County
   h. Ellis County
   i. Erath County
   j. Henderson County
   k. Johnson County
   l. Kaufman County

3. In 2019, Texas Health Resources (THR) identified behavioral health, chronic disease prevention and management, access, awareness, health literacy and navigation as its priority areas. Are you aware of any THR programs, initiatives, resources, specifically addressing any of these priorities in your community?

4. What is THR doing well within the behavioral health, chronic disease prevention and management, access, health literacy and navigation areas? Feel free to address one or all priorities.

5. What are areas of opportunity within these priority areas? Feel free to address one or all priorities.

6. What can THR do to improve the awareness of its Community Health Needs Assessment (CHNA) findings and implementation strategies?

7. Texas Health Resources is currently developing its 2022 CHNA reports and have identified these preliminary issues for the following regions:

Southern Region
Healthcare Access & Quality (lack of/limited insurance, delay in care)

Mental Health (depression, anxiety, isolation)
Abuse/Violence (domestic violence, child abuse, intimate partner violence)
Substance Abuse (isolation leading to increased substance use and addiction)

Denton/Wise Region-

Mental Health (increased need for adolescents, anxiety, lack of behavioral health services)

Access to healthcare services (Provider shortages, language barriers, uninsured/underinsured)

COVID-19 Impact (mental health, trust in healthcare system, delay in services)

Food insecurity (lack of food, access to healthy foods, food deserts)

Tarrant/Parker Region-

Chronic conditions (heart disease, diabetes)

COVID-19 Impact (Mental Health/Substance abuse, isolation, financial issues, delay in care, food insecurity)

Health Behaviors (fear, stigma towards vaccine)

Healthcare Access & Quality (Lack of providers, lack of bilingual providers, uninsured/underinsured)

Dallas/Rockwall Region-

Access to care (delay in care, uninsured, underinsured)

Mental Health (isolation, depression exacerbated by COVID-19)

Financial/Economic impact (unemployment, housing insecurity)

Food insecurity (lack of healthy foods, lack of food)

Denton/Wise Region-

Access to care (delay in services, high deductibles, affordability of insurance, knowledge of where to get care)

Mental Health (stigma in accessing care, cultural barriers, anxiety)

Economic/financial issues (difficulty paying rent/utilities, unemployment, loss of jobs)

Housing (lack of affordable housing, discrimination)

7a. How can THR prioritize these health topics that have surfaced as issues in the region?

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Question #2-What region/county/counties do your organization provide direct services to?
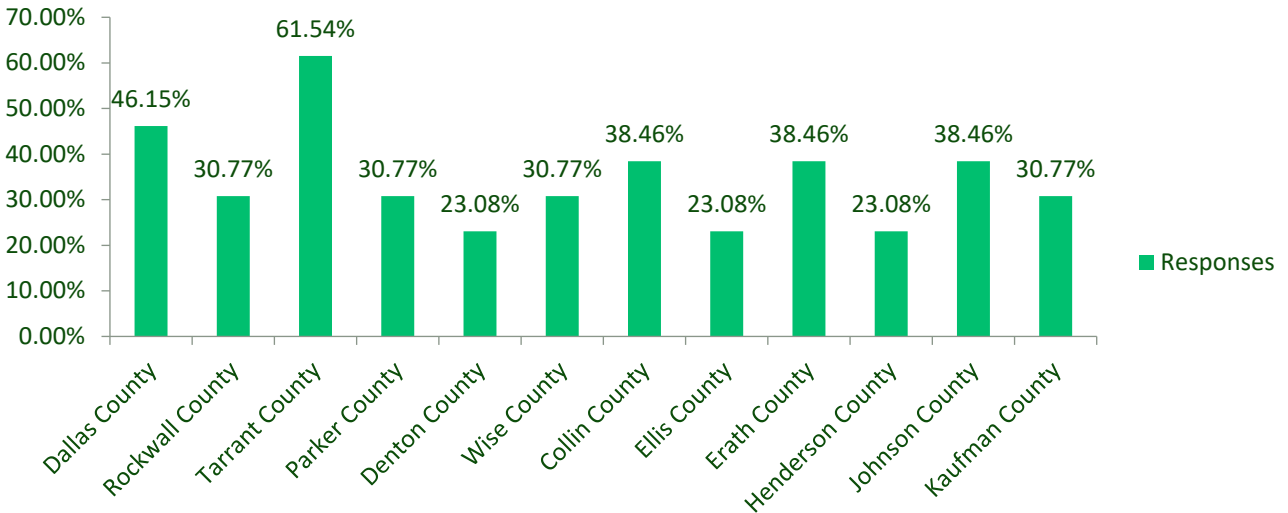
Question #3-Are you aware of any THR programs, initiatives, resources, specifically addressing any of these priorities in your community?

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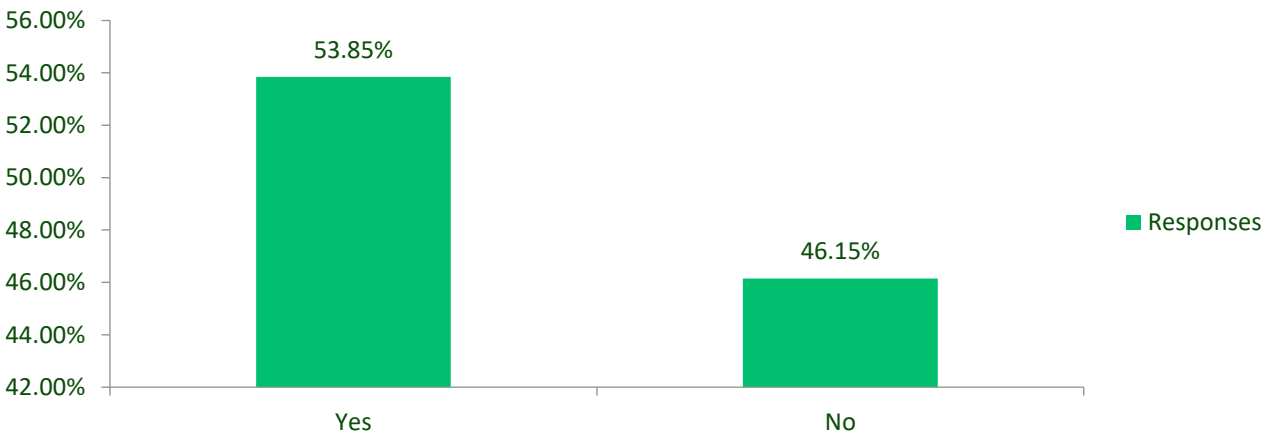
Question #4-What is THR doing well within the behavioral health, chronic health, chronic disease prevention & management, access, health literacy, and navigation areas?

- While there is some generalize awareness of THR efforts, there is not sufficient publicity of these efforts to elicit significant engagement from the public.

-I navigate the Plano Up program funded by THR focusing on anxiety and depression in youth in the 75074 zip. Beyond Blue is another program funded by THR to address mental health in the senior population in the 75069 zip

- The Community Impact program and its regional councils are a great model to impact health priorities.

- It's hard to say due to the Pandemic really. THR has been sending email and reminders to people to do their screenings, testing and seeing their Dr, even telemedicine

- Their willingness to fund organizations that promote access and health literacy is awesome.

- Excellent work with chronic disease prevention and management. Also, good initiative with mental health in rural areas. Doing a good job of bringing these topics, education, and interventions to the people and communities THR serves.

- THR's Community Impact team has done a great job at leveraging relations with community leaders, nonprofits, thought leaders to strengthen efforts to improve health outcomes that are negatively impacted by the social determinants of health. They are also using data to drive their decision and to measure positive improvements in the areas of exercise, health and chronic disease prevention.

- Connect deeper to faith-based organizations, and schools where the under-resource families are nearest and partner with other foundations to strengthen the ability to sustain efforts.

Q5- Are there areas of opportunity within these priority areas? Feel free to address

-Behavioral health partnerships between THR, JPS, and the City of Arlington would be good way to have a meaningful impact on this issue. A formalized partnership with COA/Fire PH unit, Mission Arlington, School Districts, UTA school of Nursing and Social Work, JPS, TCPH and MCA could result in a cost effective and impactful approach to many of these issues.

- I feel mental health is still a large concern. However, I feel healthcare is out of reach for many people even for those with the ability to pay. Living expenses have increased to the point where many people cannot afford to maintain their physical or mental well-being

- There are many opportunities to impact health outcomes - particularly chronic disease-through increased awareness and support of patients affected by memory decline. This can include those at risk for cognitive decline (diverse communities are at higher risk, as are those

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who have comorbidities) and create opportunities for early detection—also, outcomes related to caregiver health.

- With the start of the Pandemic in March 2020, people have not seen their health care providers as they should, thus causing now two years later, many, many additional medical problems.

- Behavioral health is an awesome place to start. We need to train paraprofessionals to go into the neighborhood.

- Health literacy training for health care and service providers would enhance THR's current efforts within chronic disease management.

Question 6- What can THR do to improve the awareness of its Community Health Needs Assessment findings and implementation strategies?

-Partner directly with the City of Arlington Office of Communications

-Present to city and nonprofits the results of the assessment. Many citizens have no idea of the health status of our city.

- More programs focused on prevention and mobile solutions. We have to realize that many people cannot get to appointments even with coverage. Housing, food and transportation costs

- Increasing channels of communication, implementing practical action steps and a starting point for those needing the services, enhanced relationship building with community partners.

- Send them to community orgs as well as posting on their website. If both of these were done, I would recommend a way to ensure that all orgs doing any social service-related work get notified of the CHNA and implementation plan.

- Work directly with Community-Based Organizations (CBOs) , such as the Alzheimer's Association or Area Agency on Aging, to promote these results and how a partnership with the CBO will impact the health outcomes. Continue to provide grants to CBOs to ensure that community support continues for all those in need.

- Perhaps THR can advertise the CHNA can run local ads on television and radio.

- As we emerge from the Pandemic, continue to reach those who are not connected by smart phones and emails

- A spot on the major networks or continuous radio spots would help.

- Personally, I think that THR does a great job of disseminating CHNA findings. They and Cook are regional leaders in that work. I'm not sure if THR already works closely with rural Extension

services to disseminate findings and implement programming. If not, that may be another avenue. Also, engaging FQHC's in CHNA implementation strategies is important.

- Take the information out to the community who are impacted the most. (Churches, Schools, Stores, barbershops, beauty shops and perhaps convenience store.

Question #7-How can THR prioritize these health topics that have surfaced as issues in the region?

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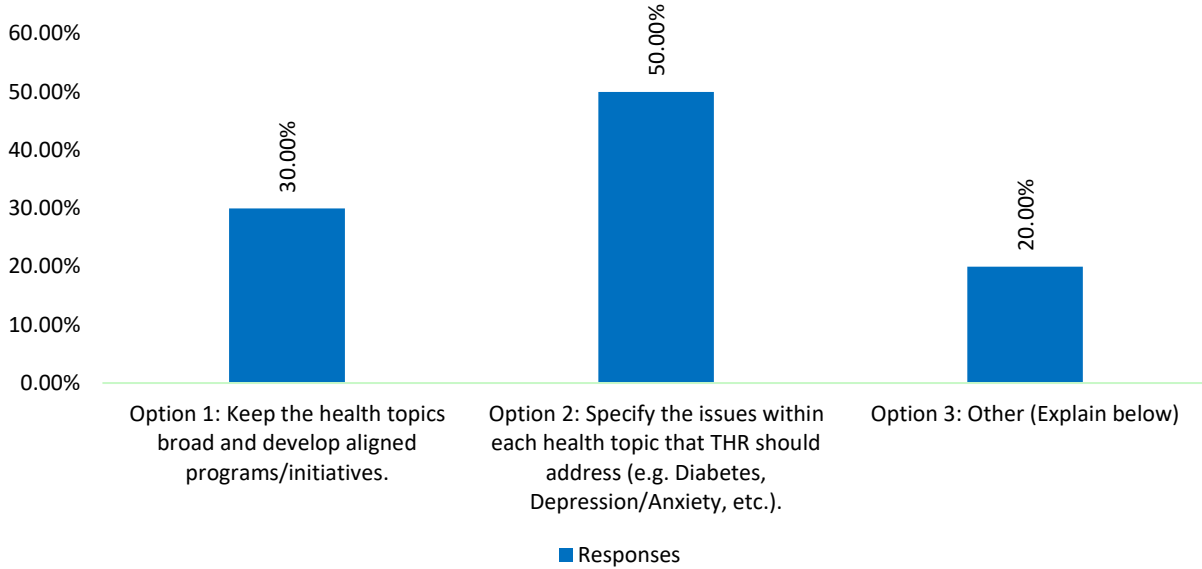
Appendix C. Community Resource and Partner List

This highlights existing resources that organizations are currently using and available widely in the community. It also highlights potential community partners who were identified during the qualitative data collection process for this CHNA.

Community Resource and Partner List

Denton
- Lewisville ISD Counseling Center
- Lewisville ISD Community Health Clinic (located at elementary school)
- Children's Advocacy Center for North Texas
- Children's Advocacy Center Movement
- First Refuge
- National school nutrition grant in schools (food trucks, lunch for families)
- Texas Motor Speedway Vaccination Clinic (COVID-19)
- Local Government support (County Judge)

Wise
- Helen Farabee Center
- TAPS (transportation system)
- Healthy Wise County workgroup convened by Wise Health System
- United Way
- County health care system
- ECHO-Wise County Community Coalition
- Dialysis Center-Wise Health System

Community Partner List

Denton
- Children's Advocacy Center for North Texas
- Lewisville ISD

Wise
- County Judge
- Texas Health Community Impact Board - Denton and Wise County
- TAPS Transportation

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