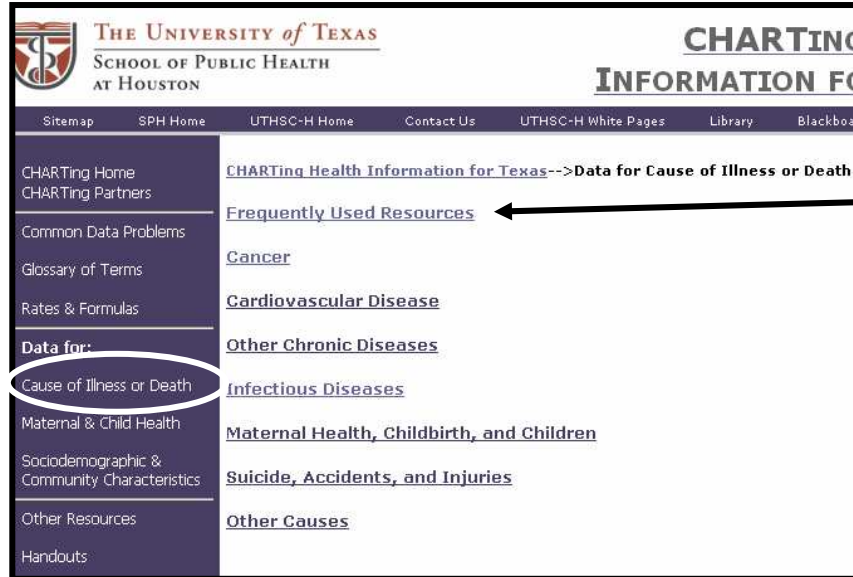


Using VitalWeb to Access Vital and Health Statistics

Links to the various data sets from Vital Web can be found by clicking on **By Cause of Illness or Death**.



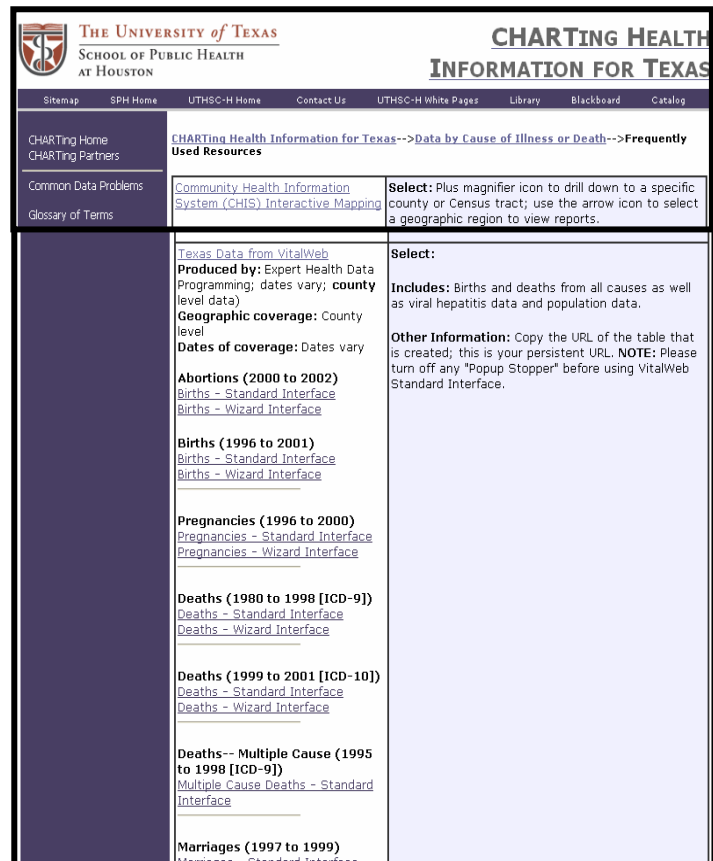
Click on **Frequently Used Resources** to link to all of the data sets described in this handout.

CHARTing pages that link directly to individual data sets that are relevant to that specific topic, e.g. Birth Defects data, will be found on **Maternal Health, Childbirth, and Children; Death Data** will be found on all pages with links to mortality data, etc.

The ranges of years that are covered vary by data set.

Note: Birth and death data from TDSHS is more current. However, VitalWeb allows you to identify more variables in some cases, such as births, and it includes reports that are not available from TDSHS, such as pregnancy reports and abortion reports.

This handout will show just the **Standard** interface for selected data sets.



Texas Birth Data

There is an extensive list of variables from which to select. To the right is an example of how a search might be set up. The following page shows the variables from which you can select in the first section.

The **Statistic** selected is the number of births. **Rows** will display **Birth Weight Grams**. **Columns** will display **Education Years Mom**. The next page has a complete listing of options for outcome, rows, and columns.

In **Step 2**, **Smoking by Mom** is selected.

No other changes were made in steps 3 through 6.

In Section 7, you have the option of selecting all of Texas, one or more public health regions, and/or one or more counties. To select, scroll through the list until you come to the county or region you want, click on it, then click on the green **Add** arrow. You can select several counties but the data will be aggregated for the populations of the counties you select.

Texas Birth Data (1996-2001) - Main Window

To analyze the data:
 - Select settings (Step 1, 2, etc.)
 - Click [Make Map](#) or [Make Table](#).
 - Results appear in a new window.

After viewing the results:
 - Make any desired changes.
 - Then, make another map or table.

Step 1 - Set basic table layout: [Help](#)
Statistic: Births
Rows: Birth Weight Grams
Row Sort: Rows in Standard Order
Columns: Education Years Mom

Step 2 - Choose values for Mom: [Help](#)
Alcohol Use by Mom: All
Diabetes in Mom: All
Marital Status: All
Race of Mom: All Races
Smoking by Mom: All Responses
Age of Mom: All Ages
Education of Mom: All Levels

Step 3 - Choose values for Dad: [Help](#)
Age of Dad: All Ages
Education of Dad: All Levels

Step 4 - Choose values for Prenatal care: [Help](#)
Kessner Index: All
Prenatal Care Start: All Values
Prenatal Care Visits: All Values

Step 5 - Choose values for Delivery: [Help](#)
Birth Attendant: All Types
Delivery Method: All Methods
Birth Facility: All
Live Birth Order: All Values
Year of Birth: All Years

Step 6 - Choose values for Baby: [Help](#)
Down Syndrome: All
Neural Tube Defect: All
Sex of Baby: Both Sexes
Birth Weight: All Weights
Gestational Age: All Ages
Plurality (Twins, etc): All Values

Step 7 - Select counties and county groupings: [Help](#)
Possible Selections:
 All Texas Counties
 Public Health Region 1
 Public Health Region 2
 Public Health Region 3
 Public Health Region 4
 Public Health Region 5
 Public Health Region 6
 Public Health Region 7
Selected Areas:
 Montgomery

8 - Optional - [Change Map Settings](#) [Help](#)
9 - Optional - [Change Pie Settings](#) [Help](#)
10 - Optional - [Change Line Plot Settings](#) [Help](#)
11 - Optional - [Change Bar Chart Settings](#) [Help](#)
12 - Optional - [Change Advanced Settings](#) [Help](#)
13 - Finally, click [Make Map](#) or [Make Table](#) to get results. [Help](#)

<http://www.ehdp.com/vn/rw/txu1/bb1/720wzyte>

Births
 Tabulated by Birth Weight Grams and Education Years Mom
 Year of Birth: 1996-2001
 Marital Status of Mom: Single
 Smoking in Mom: Yes
 Mom's Place of Residence: Montgomery

Birth Weight Grams	0-8	9-11	12	13-15	16	17-17+	Total
0-499	0	2	0	0	0	0	2
500-999	0	5	1	2	0	0	8
1000-1499	0	9	2	0	0	0	11
1500-1999	3	16	13	1	0	0	33
2000-2499	11	44	35	5	1	1	99
2500-2999	33	167	117	32	1	2	357
3000-3499	43	262	187	50	2	5	561
3500-3999	16	119	100	25	3	0	268
4000-4499	3	22	22	3	0	2	53
4500-4999	1	3	3	2	0	0	9
5000-5000+	0	0	1	0	0	0	1
Total	110	649	482	120	7	10	1,404

The report on the left is the result of the search variables select above. The URL listed above is a persistent link; you can type this in to retrieve the exact same report. It can be shared with others as well.

The county selected was Montgomery County, just north of Houston (Harris County). Of the 5,312 babies who were born between 1996 and 2001, 1,404 or about 26% were born to mothers who indicated they had smoked during their pregnancy.

About half of the mothers had fewer than 12 years of education; almost 90% a high school education or less.

These are the variables from which you can select in **Step 1**.

Outcome:	Births
Rows:	Births
Row Sort:	Birth Rate (per 1,000 total) Birth Rate (per 1,000 women) General Fertility Rate
Columns:	Percent Births LT 1500 gms (VLBW) Percent Births LT 2500 gms (LBW) Percent Births GT 3999 gms (HBW)
Mom:	Cesarean Rate - Total Cesarean Rate - Primary Cesarean Rate - Repeat
Marital Status:	Early Prenatal Care Percent Kessner Adequate Percent Kessner Inadequate Percent
All	

Outcome labels

Rows:	Race of Mom
Row Sort:	One Row Only Age of Dad Age of Mom
Columns:	Alcohol in Mom Area of Occurrence Area of Residence Birth Attendant Birth Weight Grams
Mom:	Delivery Method Diabetes in Mom Down Syndrome Education Years Dad Education Years Mom Facility Type Gestation Weeks Kessner Index Live Birth Order Marital Status Neural Tube Defect Plurality Prenatal Care Start Prenatal Care Visits Race of Mom Sex of Baby Smoking in Mom Year of Birth
Marital Status:	
All	
Married	
Single	
Dad:	
Education of Dad:	
Levels	
8	
11	

Row labels

Columns:	Year of Birth
or Mom:	One Column Only Age of Dad Age of Mom Alcohol in Mom Area of Occurrence Area of Residence Birth Attendant Birth Weight Grams Delivery Method Diabetes in Mom Down Syndrome Education Years Dad Education Years Mom Facility Type Gestation Weeks Kessner Index Live Birth Order Marital Status Neural Tube Defect Plurality Prenatal Care Start Prenatal Care Visits Race of Mom Sex of Baby Smoking in Mom Year of Birth
Marital Status:	
All	
Married	
Single	
Education of Dad:	
Levels	
8	
11	
Age Groups	

Column labels

Texas Deaths (ICD-10)

Select the parameters for your search. Options for both column and row labels are: **age, place of residence, race, sex, underlying cause, and year.**

By going to the **Advanced Settings**, you can select an **Age Adjustment Standard** and/or **Confidence Level** (only if you chose **Age Adjusted Death Rate** or **Death Rate** respectively under **Outcome**). There are other options as well.

Click on **Main Window** to return.

When you have made all of your selections, click on **Make Table**.

Texas ICD-10 Mortality - Advanced Settings

Age-Adjust Standard: 2000 US

Bar Graph Display: On (Medium)

Cell Suppression: Off

Confidence Level: Off

Decimal Places: 1

Percents: Off

SMR Race Standard: All Races

SMR Sex Standard: Both Sexes

Table Time Trend: Summary

Unknowns: Total Only

YPLL Limit: 65

[Main Window](#) [Close](#) [Help](#)

Texas ICD-10 Mortality (1999-2001) - Main Window

To analyze the data:

- Select settings (Step 1, 2, etc.)
- Click [Make Map](#) or [Make Table](#)
- Results appear in a new window.

After viewing the results:

- Make any desired changes.
- Then, make another map or table.

Step 1 - Set basic table layout: [Help](#)

Statistic: Age-Adjusted Death Rate (AADR)

Rows: Race

Row Sort: Rows in Standard Order

Columns: Sex

Step 2 - Choose values for deceased: [Help](#)

Race of Deceased:	Sex of Deceased:	Age of Deceased:	Year of Death:
All Races	Both Sexes	40-44	All Years
White	Male	45-49	1999
Black	Female	50-54	2000
Hispanic		55-59	2001
Other			

[Change Groups](#) [Change Groups](#)

Step 3 - Select counties and county groupings: [Help](#)

Possible Selections:	Selected Areas:
All Texas Counties	Harris
Public Health Region 1	
Public Health Region 2	
Public Health Region 3	
Public Health Region 4	
Public Health Region 5	
Public Health Region 6	
Public Health Region 7	

Step 4 - Select causes of death - 10th Int. Classification of Diseases (ICD-10): [Help](#)

Unselected Groups:	Selected Groups:
All causes of death	178. Congestive heart failure
NCHS rankable causes (leading causes)	
NCHS rankable causes, and non-rankable	
NCHS 113 cause list	
— Infectious and parasitic diseases	
— Intestinal infectious diseases	
001. Cholera	
— Other intestinal infectious diseases	

5 - Optional - [Change Map Settings.](#) [Help](#)

6 - Optional - [Change Pie Settings.](#) [Help](#)

7 - Optional - [Change Line Plot Settings.](#) [Help](#)

8 - Optional - [Change Bar Chart Settings.](#) [Help](#)

9 - Optional - [Change Advanced Settings.](#) [Help](#)

10 - Finally, click [Make Map](#) or [Make Table](#) to get results. [Help](#)

Remember you can share this report or cite it later by including the URL of the report.

The two tables utilized the same variables but have different age-adjusted standards. Notice the big difference between them.

Age-Adjusted Death Rate (AADR) (per 100,000)
Age Adjustment Standard Population: 2000 US
Tabulated by Race and Sex
Death Year: 1999-2001
Place of Residence: Harris
Cause of Death: Congestive heart failure (ICD I50.0)

Race	Male		Female		Total	
	AADR	Deaths	AADR	Deaths	AADR	Deaths
White	24.5	364	28.0	657	26.9	1,021
Black	30.8	121	29.1	179	29.8	300
Hispanic	18.6	61	16.6	71	17.5	132
Other	5.6	4	13.1	14	10.0	18
Total	24.0	550	26.5	921	25.7	1,471

Age-Adjusted Death Rate (AADR) (per 100,000)
Age Adjustment Standard Population: 1970 US
Tabulated by Race and Sex
Death Year: 1999-2001
Place of Residence: Harris
Cause of Death: Congestive heart failure (ICD I50.0)

Race	Male		Female		Total	
	AADR	Deaths	AADR	Deaths	AADR	Deaths
White	16.7	364	18.5	657	18.0	1,021
Black	22.2	121	21.1	179	21.5	300
Hispanic	13.1	61	11.3	71	12.1	132
Other	3.5	4	8.3	14	6.3	18
Total	16.6	550	17.9	921	17.5	1,471

Texas Pregnancy Data, 1996 – 2001

The format should look similar; it is identical to the previous VitalWeb sites. The data reported is a little different, however, from pregnancy. In **Step 1**, you can select from the following for both rows and columns:

- Age of Mom
- Residence Area
- Weeks Gestation
- Marital Status of Mom
- Pregnancy Outcome
- Previous Live Births
- Race of Mom
- Year of Outcome

The report on the left shows the pregnancy rate per 1,000 females as the outcome. Rate is shown by age and by year.

Texas Pregnancy Data (1996-2001) - Main Window

To analyze the data:

- Select settings (Step 1, 2, etc.)
- Click **Make Map** or **Make Table**.
- Results appear in a new window.

After viewing the results:

- Make any desired changes.
- Then, make another map or table.

Step 1 - Set basic table layout:

Statistic: Pregnancy Rate (per 1,000 females)

Rows: Age of Mom

Row Sort: Rows in Standard Order

Columns: Year of Outcome

Step 2 - Choose values for Mom:

Marital Status: All, Married, Single

Race of Mom: All Races, White, Black, Hispanic, Other

Age of Mom: All Ages, Birth-9, 10-12, 13-14

Previous Live Births: All Values, 0, 1, 2

Step 3 - Choose values for Primary Statistic:

Pregnancy Outcome: All, Births, Fetal Deaths, Induced Abortions

Gestational Age: All Ages, 0-36, 37-41, 42-43+

Year of Outcome: All Years, 1996, 1997, 1998

Step 4 - Select counties and county groupings:

Possible Selections: All Texas Counties, Public Health Region 1, Public Health Region 2, Public Health Region 3, Public Health Region 4, Public Health Region 5, Public Health Region 6, Public Health Region 7

Selected Areas: Fort Bend

5 - Optional - Change Map Settings.

6 - Optional - Change Pie Settings.

7 - Optional - Change Line Plot Settings.

8 - Optional - Change Bar Chart Settings.

9 - Optional - Change Advanced Settings.

10 - Finally, click **Make Map** or **Make Table** to get results.

**Pregnancy Rate (per 1,000 females)
Tabulated by Age of Mom and Year of Outcome
Mom's Place of Residence: Fort Bend**

Age of Mom	1996		1997		1998		1999		2000		2001		Total	
	Rate	Outcomes	Rate	Outcomes	Rate	Outcomes	Rate	Outcomes	Rate	Outcomes	Rate	Outcomes	Rate	Outcomes
Birth-9	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
10-12	0.0	0	0.0	0	0.1	1	0.1	1	0.0	0	0.0	0	0.0	2
13-14	2.7	14	2.4	13	1.6	9	1.9	11	1.5	10	0.8	6	1.8	63
15-17	32.8	251	26.5	214	27.7	233	23.3	203	19.0	184	20.5	208	24.5	1,293
18-19	74.1	342	65.2	320	67.4	362	64.7	376	84.4	372	71.7	395	70.8	2,167
20-24	83.1	991	75.0	948	75.1	993	75.9	1,062	139.9	1,151	132.3	1,129	91.5	6,274
25-29	122.2	1,240	122.1	1,396	109.5	1,408	105.8	1,506	157.1	1,650	159.8	1,592	127.1	8,792
30-34	117.8	1,366	116.6	1,370	120.5	1,436	119.3	1,477	125.9	1,684	128.1	1,767	121.6	9,100
35-39	44.2	666	48.6	727	52.7	781	53.2	782	48.5	820	51.2	879	49.7	4,655
40-44	8.0	117	9.4	143	10.0	159	12.3	201	9.0	167	9.2	179	9.7	966
45-49	0.4	5	0.8	10	0.6	8	0.7	10	0.8	13	0.8	14	0.7	60
50-54	0.0	0	0.0	0	0.0	0	0.0	0	0.1	1	0.0	0	0.0	1
55-59	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
60-99+	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total	33.4	4,998	32.9	5,152	32.9	5,398	32.8	5,641	34.0	6,058	33.2	6,182	33.2	33,429

Overall Unknown Age of Mom for Columns (Added to Column Totals): 56 Total

The report on the right shows the total number of pregnancies for 3 years in Fort Bend, and their outcomes—birth, fetal death, or induced abortion.

**Number of Reported Pregnancies
Tabulated by Age of Mom and Pregnancy Outcome
Year of Outcome: 1999-2001
Mom's Place of Residence: Fort Bend**

Age of Mom	Births	Fetal Deaths	Induced Abortions	Total
Birth-9	0	0	0	0
10-12	0	0	1	1
13-14	23	0	4	27
15-17	449	1	145	595
18-19	882	3	258	1,143
20-24	2,676	11	655	3,342
25-29	4,198	17	533	4,748
30-34	4,523	22	383	4,928
35-39	2,200	12	269	2,481
40-44	429	4	114	547
45-49	21	2	14	37
50-54	1	0	0	1
55-59	0	0	0	0
60-99+	0	0	0	0
Total	15,402	72	2,407	17,881

Overall Unknown Age of Mom for Columns (Added to Column Totals): 31 Total

Texas Population 1980 - 2019

In this example, we can see the changes in race/ethnicity of the population in Brazos County.

By changing one of the variables (**Sex of Person**) in the second report, we can also see how the male-to-female ratio has changed and is expected to change.

Texas Population Data (1980-2019) - Main Window

To analyze the data:

- Select settings (Step 1, 2, etc.)
- Click [Make Map](#) or [Make Table](#).
- Results appear in a new window.

After viewing the results:

- Make any desired changes.
- Then, make another map or table.

Step 1 - Set basic table layout: [Help](#)

Statistic: Percent Total Population in Age Group

Rows: Population Year

Row Sort: Rows in Standard Order

Columns: Race

Step 2 - Choose values for residents: [Help](#)

Race of Person: All Races

Sex of Person: Both Sexes

Age of Person: 5-9

Population Years: 2014

[Change Groups](#) [Change Groups](#)

Step 3 - Select counties and county groupings: [Help](#)

Possible Selections:

- All Texas Counties
- Public Health Region 1
- Public Health Region 2
- Public Health Region 3
- Public Health Region 4
- Public Health Region 5
- Public Health Region 6
- Public Health Region 7

Selected Areas: Brazos

[Add](#) [Remove](#)

4 - Optional - [Change Map Settings](#). [Help](#)

5 - Optional - [Change Pie Settings](#). [Help](#)

6 - Optional - [Change Line Plot Settings](#). [Help](#)

7 - Optional - [Change Bar Chart Settings](#). [Help](#)

8 - Optional - [Change Advanced Settings](#). [Help](#)

9 - Finally, click [Make Map](#) or [Make Table](#) to get results. [Help](#)

**Percent Total Population in Age Group
Tabulated by Population Year and Race
Age: Birth-19 Years
Place of Residence: Brazos**

Population Year	White		Black		Hispanic		Other		Total	
	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop
1980	30.4	21,884	41.7	4,290	42.7	4,039	26.4	469	32.8	30,682
1985	28.9	26,250	38.7	5,113	40.1	5,850	22.7	758	31.1	37,971
1990	27.8	24,254	40.1	5,388	40.5	6,776	24.6	1,071	30.8	37,489
1995	28.4	26,947	40.6	5,953	41.6	8,721	30.1	1,793	31.8	43,414
2000	27.1	27,580	40.3	6,634	39.6	10,797	24.3	1,678	30.6	46,689
2005	26.2	27,097	38.2	6,652	37.5	11,905	26.1	2,044	29.7	47,698
2010	25.6	27,120	35.6	6,540	36.2	13,212	28.1	2,450	29.1	49,322
2015	25.2	27,216	32.4	6,254	34.6	14,355	28.7	2,768	28.3	50,593
Total	27.3	208,348	38.0	46,824	38.1	75,655	26.9	13,031	30.3	343,858

**Percent Total Population in Age Group
Tabulated by Population Year and Race
Age: Birth-19 Years
Sex: Female
Place of Residence: Brazos**

Population Year	White		Black		Hispanic		Other		Total	
	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop	Percent	Age Group Pop
1980	30.7	10,322	38.8	2,133	43.7	1,854	27.7	200	32.9	14,509
1985	29.3	12,662	36.5	2,575	41.6	2,804	24.3	335	31.4	18,376
1990	28.0	11,856	37.2	2,662	42.1	3,323	26.1	473	30.9	18,314
1995	28.6	13,121	37.4	2,888	42.9	4,234	31.7	790	31.9	21,033
2000	27.3	13,852	36.5	3,226	40.4	5,175	25.8	776	30.5	23,029
2005	26.6	13,676	35.2	3,267	38.9	5,824	28.2	977	30.0	23,744
2010	26.1	13,728	32.9	3,195	37.6	6,491	30.3	1,184	29.4	24,598
2015	25.7	13,787	30.3	3,076	35.9	7,051	31.1	1,358	28.7	25,272
Total	27.6	103,004	35.2	23,022	39.3	36,756	28.8	6,093	30.5	168,875