

# GALVESTON COUNTY HEALTH DISTRICT

4C's Clinics, Public Health Programs, Galveston E.M.S.

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## Galveston County Birth Data, 2002

Prepared by Galveston County Health District Epidemiology Department, June 2004,  
with data provided by Texas Department of Health Center for Health Statistics.

The total of 3,872 county resident births in 2002 was 152 (4%) more than in 2001. Texas births increased 2%. By ethnicity, Galveston County increases were 11% among black residents, 5% among Hispanics, and 2% among all other residents. "All other" is mostly white non-Hispanic. 122 births (3.2% of total) included in the all other category were not black, Hispanic, or white non-Hispanic; most were probably Asian. Compared to 2001, there were more births of Galveston, Texas City, Dickinson, and Santa Fe residents. League City and Friendswood had fewer resident births in 2002. There were nearly the same numbers of La Marque and Hitchcock births both years. There was a substantial 12% increase in births of residents in other (mostly unincorporated) areas.

The percentage of births to mothers who had **late or no prenatal care** (i.e. prenatal care did not begin in the first trimester) rose slightly from 13.4% in 2001 to 13.7% in 2002. There was an increase in this proportion from 16.7 to 18.1% among black births along with essentially no change for Hispanic and all other births. There continues to be a higher level of late or no prenatal care for black (18.1%) and Hispanic (14.5%) residents compared to all other (11.9%). A national Year 2010 *Healthy People* Objective is to reduce this fraction to 10% or less. The county compared favorably to Texas as a whole on this statistic; 19.5% of all Texas births were to mothers with late or no prenatal care in 2002.

Births to **teenage mothers** increased from 463 in 2001 to 515 in 2002, and births to **adolescent mothers** (under age 18) increased slightly from 162 to 167. The county proportion of births to adolescent mothers was stable at 4.3%, and was lower than the statewide proportion (5.4%) for 2002. It increased from 6.7 to 7.0% of black births, remained the same at 6.8% of Hispanic births, and declined from 2.6 to 2.1% of all other births. There were 11 births to mothers under age 15. 37 (22.4%) of the adolescent mothers had late or no prenatal care in 2002 compared to 13.3% of mothers who were age 18 or older.

458 county births were to **mothers over age 34** in 2002, 32 more than in 2001. As usual the proportion of births to mothers over age 34 was highest (14.2%) among mothers who were not black or Hispanic.

The number of **low-birth-weight infants** increased from 305 (8.2%) in 2001 to 341 (8.8%) in 2002. This proportion was 16.8% for mothers under age 18 compared to 8.4% for all older mothers. The proportion with low birth weight for black infants (15.0%) remains considerably higher than that of Hispanic (6.1%) or all other infants (8.1%). The county fraction of infants with low birth weight was higher than the statewide proportion (7.7%) in 2002. A Year 2010 Objective is for this proportion to be 5% or less of all births. Self-reported data from Galveston County mothers of infants born in 2002 show that 11.4% of the 439 mothers who reported tobacco use in pregnancy had low-birth-weight infants compared to 8.5% of the 3,427 mothers who did not report tobacco use.

The number of county births to **unmarried mothers** increased from 1,267 in 2001 to 1,434 (37% of all births) in 2002. By ethnicity this proportion was 74% of black births, 38% of Hispanic births, and 25% of all other births.

Within the county, Galveston residents continue to account for the largest numbers of total births, births to adolescent mothers, newborns with low birth weight, and births to unmarried mothers. The largest numbers of new mothers with late or no prenatal care in 2002 were residents of Dickinson (94), Galveston (88), and Texas City (88). Highest proportions of births to mothers who had late or no prenatal care in 2002 were in Dickinson (20.3%), La Marque (18.9%), and the small-town/unincorporated parts of the county (17.8%). Highest proportions of births to adolescent mothers were in La Marque (7.0%), Dickinson (6.2%), and Texas City (6.1%). Highest proportions of newborns with low birth weight were in Santa Fe (12.1%), Galveston (10.5%), and Texas City (9.7%). Highest proportions of births to unmarried mothers were in Texas City (54.2%), La Marque (51.7%), and Hitchcock (50.0%).

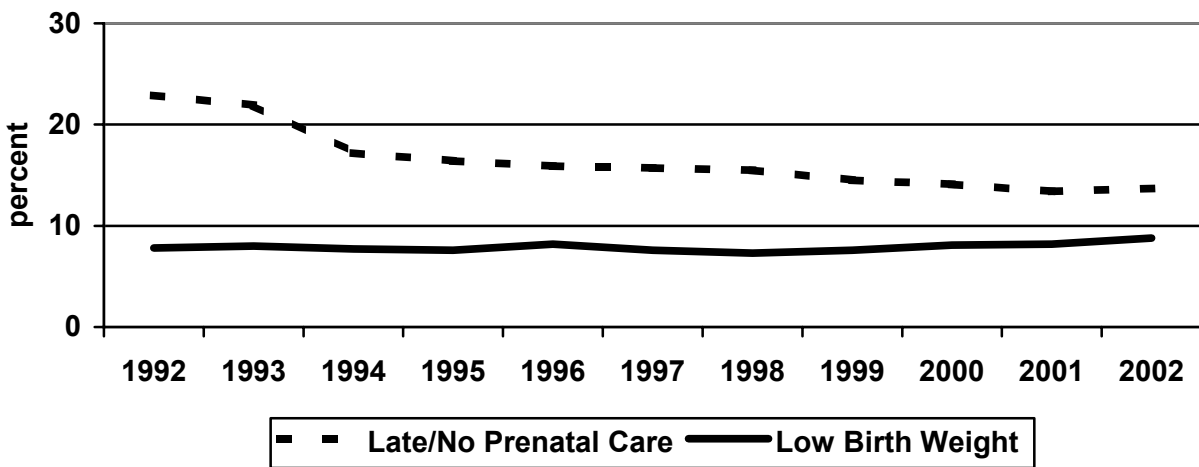
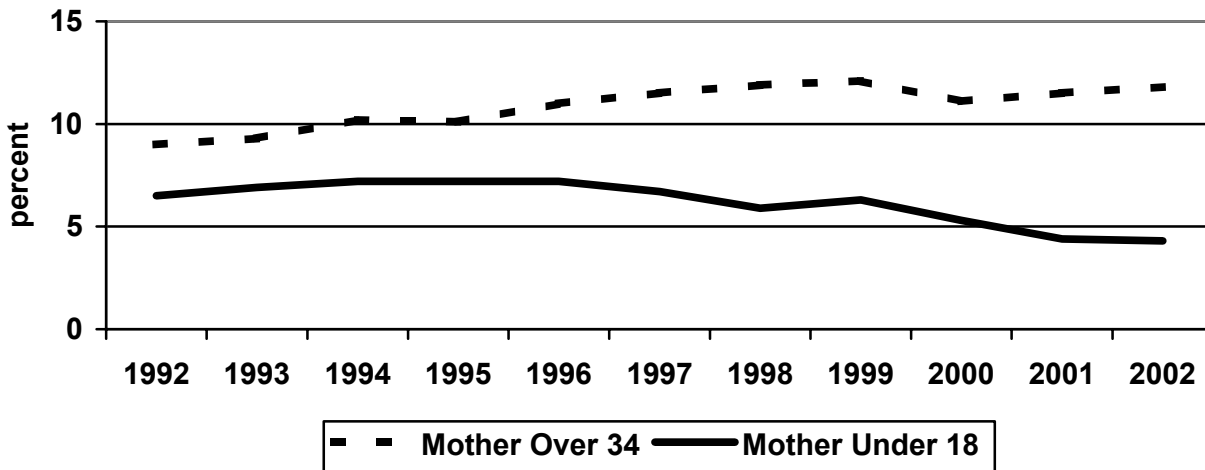
By ethnicity, in 2002 the highest proportions of births with late or no prenatal care, low birth weight, to unmarried mothers, and to adolescent mothers were among black residents in the county as a whole.

In addition to the live births discussed above, there were 685 induced **abortions** reported to Texas Department of Health for Galveston County residents in 2002, compared to 663 in 2001. There were also 27 **fetal deaths** (stillbirths) so the total number of county resident **pregnancies** in 2002 was at least 4,584. Another Year 2010 Objective is to reduce the **pregnancy rate** among women age 15-17 to 43 per 1,000 women. In 2002 this rate was 34.5 among all county women age 15-17, 55.1 among black women, 57.8 among Hispanic women, and 19.8 among all other women.

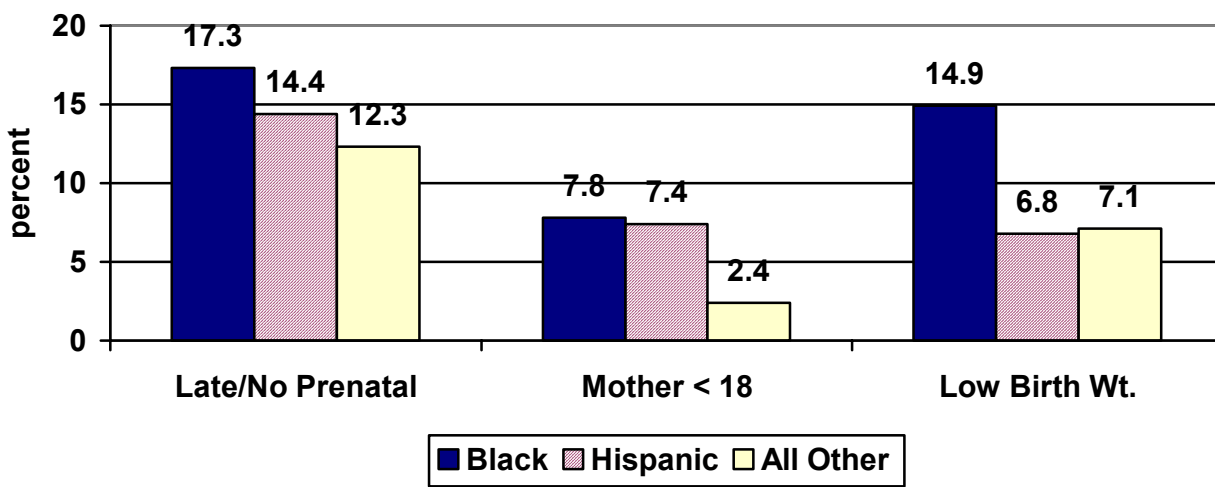
## Galveston County Resident Live Births by Specified Characteristics, 1998-2002

	TOTAL	LATE* OR NO PRENATAL CARE		MOTHER UNDER AGE 18		MOTHER OVER AGE 34		LOW BIRTH WEIGHT (under 5.5 lbs.)		MOTHER UNMARRIED	
		#	%	#	%	#	%	#	%	#	%
<b>ALL RESIDENTS</b>											
1998	3,656	560	15.5	216	5.9	435	11.9	266	7.3	1,214	33.2
1999	3,706	529	14.5	235	6.3	450	12.1	282	7.6	1,351	36.5
2000	3,805	525	14.1	201	5.3	424	11.1	310	8.1	1,326	34.8
2001	3,720	491	13.4	162	4.4	426	11.5	305	8.2	1,267	34.1
2002	3,872	526	13.7	167	4.3	458	11.8	341	8.8	1,434	37.0
<b>BLACK</b>											
1998	587	116	19.9	70	11.9	46	7.8	60	10.2	430	73.3
1999	672	124	18.6	67	10.0	49	7.3	93	13.8	513	76.3
2000	675	113	16.9	62	9.2	41	6.1	101	15.0	498	73.8
2001	627	104	16.7	42	6.7	39	6.2	93	14.8	468	74.6
2002	694	125	18.1	52	7.5	60	8.6	104	15.0	512	73.8
<b>HISPANIC</b>											
1998	864	155	18.1	60	6.9	72	8.3	55	6.4	308	35.6
1999	926	156	16.9	80	8.6	81	8.7	63	6.8	341	36.8
2000	969	137	14.2	84	8.7	75	7.8	71	7.3	342	35.3
2001	977	140	14.4	66	6.8	88	9.0	68	7.0	325	33.3
2002	1,022	147	14.5	70	6.8	91	8.9	62	6.1	384	37.6
<b>ALL OTHER</b>											
1998	2,205	289	13.3	86	3.9	317	14.4	151	6.8	476	21.6
1999	2,108	249	12.1	88	4.2	320	15.2	126	6.0	497	23.6
2000	2,161	275	13.1	55	2.5	308	14.3	138	6.4	486	22.5
2001	2,116	247	11.9	54	2.6	299	14.1	144	6.8	474	22.4
2002	2,156	254	11.9	45	2.1	307	14.2	175	8.1	538	25.0
<p>* Late prenatal care is defined as not beginning in the first trimester. Births for which the first month of prenatal care was not specified were excluded from the calculations.</p>											

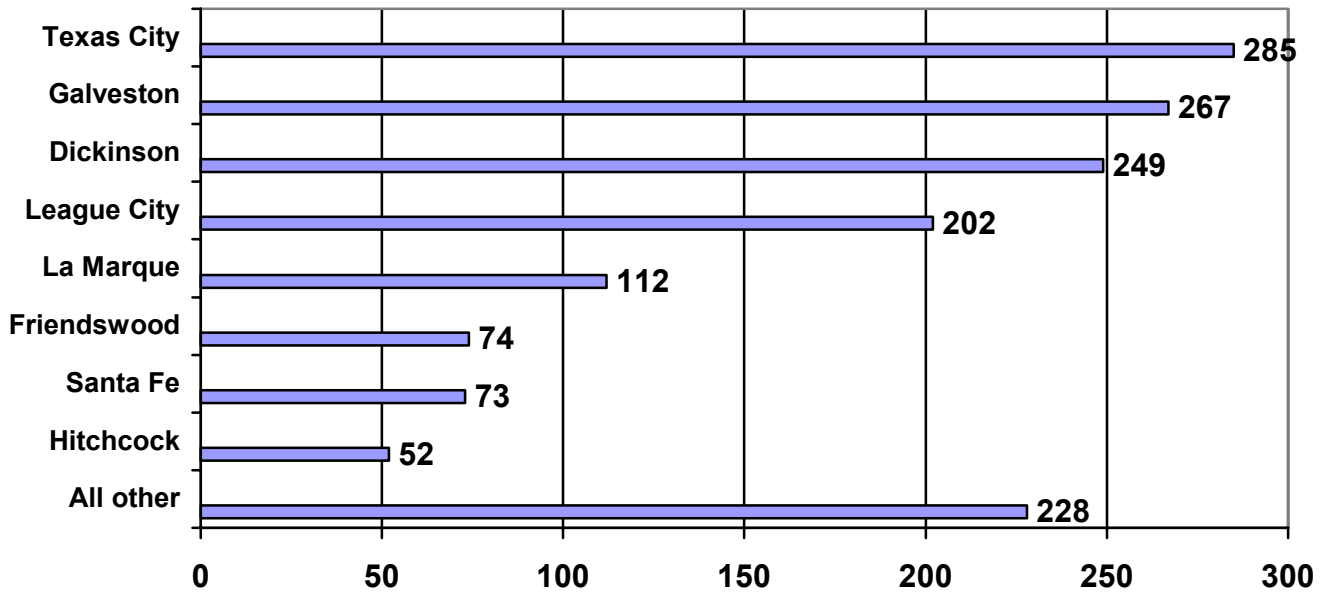
## Galveston County Resident Live Births, 1992-2002



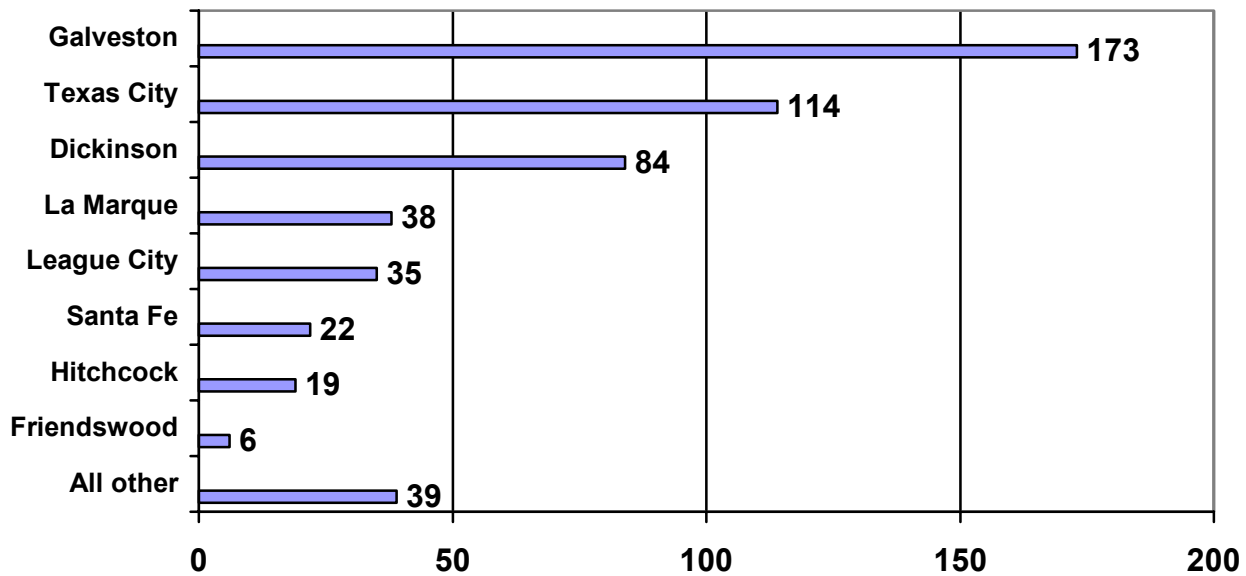
## Galveston County High-Risk Births by Ethnicity, 2000-2002



### Late/No Prenatal Care by Place of Residence, 2000-2002



### Births to Mothers under age 18 by Place of Residence, 2000-2002



### Galveston County births to mothers under age 15, by ethnicity, 1993-2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	18	14	11	15	17	13	11	10	10	11
Black	10	8	6	5	5	8	3	6	5	4
Hispanic	5	4	2	7	10	3	4	3	3	7
All Other	3	2	3	3	2	2	4	1	2	0

## Galveston County births to teen mothers by age and first trimester of prenatal care, 2002

AGE	TRIMESTER			NONE	UNSPEC.	TOTAL
	First	Second	Third			
12	0	0	0	0	0	0
13	2	0	0	0	0	2
14	7	2	0	0	0	9
15	14	3	3	0	0	20
16	49	10	0	0	1	60
17	54	16	4	1	1	76
18	127	20	9	3	1	160
19	147	29	8	3	1	188
Total	400	80	24	7	4	515
Percents	77.7	15.5	4.7	1.4	0.8	100

## Teen Fertility Rates

Live births to mothers age 15-19 per 1,000 women age 15-19, by ethnicity, 1993-2002

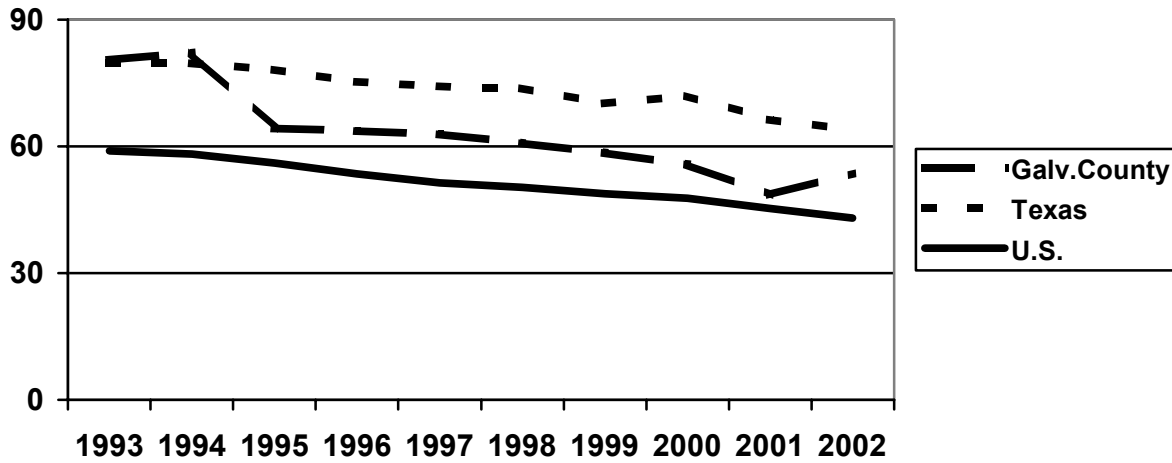
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Galveston County	80.5	82.2	64.2	63.7	62.9	60.8	58.5	55.7	48.5	53.7
Black	133.3	135.3	100.5	88.9	79.5	78.0	78.8	82.9	64.1	81.1
Hispanic	110.3	106.4	94.6	91.2	99.9	86.5	95.6	81.5	76.5	77.6
All Other	50.8	53.4	40.4	45.1	44.9	46.2	39.1	37.1	33.0	35.5
Texas	79.7	79.7	78.2	75.3	74.2	73.8	70.1	72.0	66.4	63.9
United States	59.0	58.2	56.0	53.5	51.3	50.3	48.8	47.7	45.3	43.0

Live births to mothers age 15-17 per 1,000 women age 15-17, 1993-2002

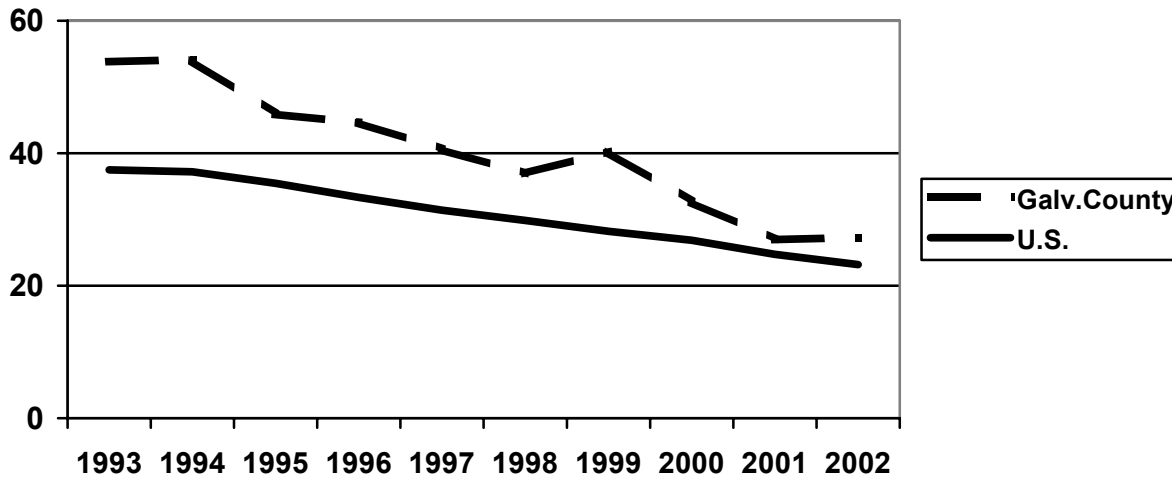
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Galveston County	53.8	54.1	45.9	44.6	40.6	36.9	40.3	32.7	27.0	27.2
Black	91.0	100.8	84.2	68.3	46.4	53.5	55.7	51.9	34.5	46.4
Hispanic	77.2	75.3	67.6	68.0	77.3	52.5	69.6	62.4	53.3	49.9
All Other	31.6	28.8	24.1	27.7	26.5	25.8	25.3	15.6	15.4	13.1
United States	37.5	37.2	35.5	33.3	31.4	29.9	28.2	26.9	24.7	23.2

Sources: Galveston County birth data and Texas fertility rates are from the Texas Department of Health (TDH) Bureau of Vital Statistics and Center for Health Statistics. Galveston County population estimates used in calculating rates are from the TDH Center for Health Statistics, the Texas State Data Center, and the U.S. Census. U.S. data are from Martin JA et al, Births: Final Data for 2002, National Vital Statistics Reports, Vol 52 No 10, Hyattsville, MD: National Center for Health Statistics, 2003.

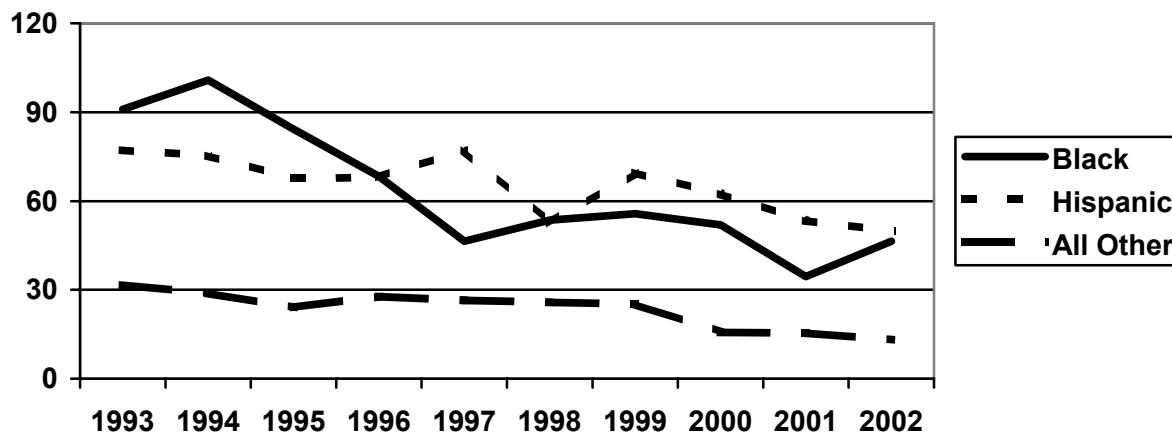
Live births to mothers age 15-19 per 1,000 women age 15-19



Live births to mothers age 15-17 per 1,000 women age 15-17



Galveston County live births to mothers age 15-17 per 1000 women age 15-17, by ethnicity

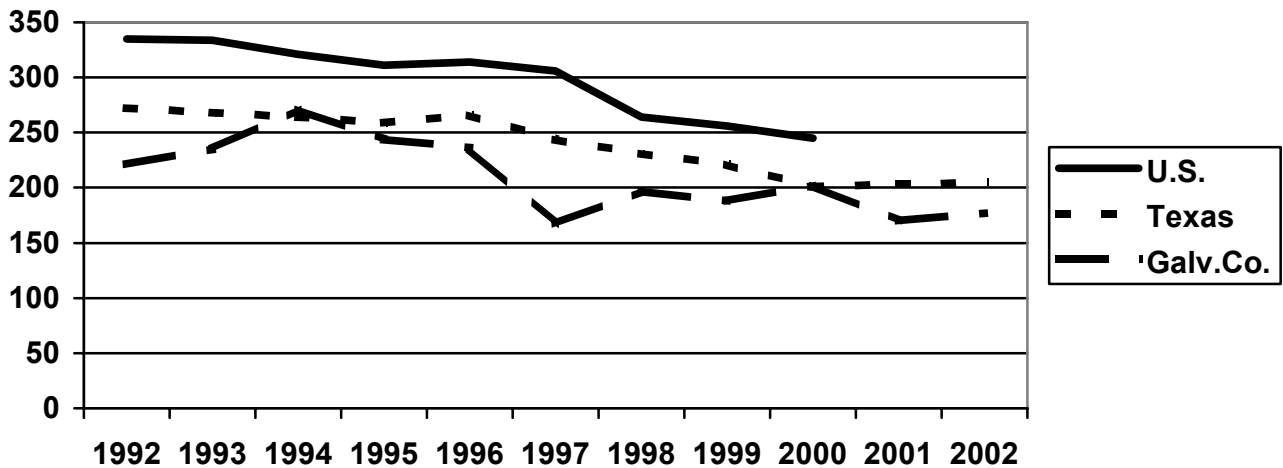


### Reported Galveston County Resident Abortions, by Age and Ethnicity, 1998-2002

	Year	Total	Under 15	Age 15-17	Age 18-19	Age 20+	AgeUn-
All Residents	1998	720	3	66	104	542	5
	1999	695	4	44	94	553	0
	2000	770	3	49	76	631	11
	2001	633	4	33	74	514	8
	2002	685	4	38	77	559	7
Black	1998	160	2	18	19	121	0
	1999	148	1	8	24	115	0
	2000	186	2	15	15	153	1
	2001	143	2	9	13	119	0
	2002	167	0	9	16	139	3
Hispanic	1998	124	0	12	29	82	1
	1999	128	1	7	18	102	0
	2000	134	0	7	7	117	3
	2001	135	1	9	21	104	0
	2002	129	4	8	16	101	0
All Other	1998	436	1	36	56	339	4
	1999	419	2	29	52	336	0
	2000	450	1	27	54	361	7
	2001	355	1	15	40	291	8
	2002	389	0	21	45	319	4

### Reported Abortions per 1,000 Live Births – U.S., Texas, and Galveston County, 1992-2002

Sources: Abortion data for Galveston County and Texas are from Texas Department of Health Center for Health Statistics. U.S. abortion ratios are from Centers for Disease Control and Prevention, Abortion Surveillance - United States, 2000, MMWR 2003;52(No.SS-12).

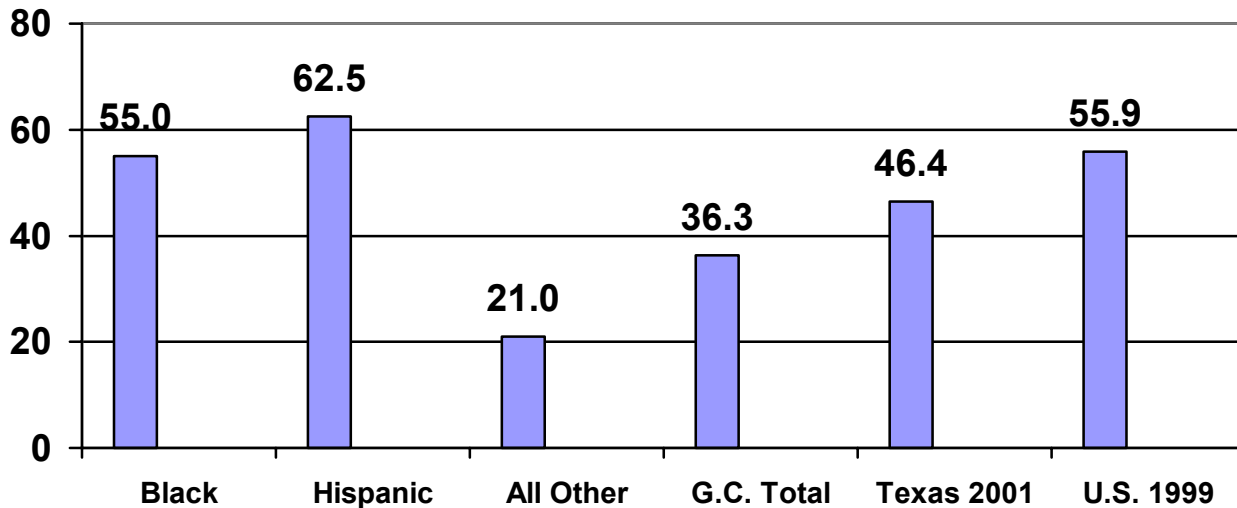


## Pregnancy Rates of Women Age 15-17

Pregnancy rates are live births, fetal deaths, and reported abortions of women in a specified age group per 1,000 women in that age group. *The Year 2010 Objective for women age 15-17 is 43.*

	number	rate
<b>Galveston County, 1997</b> .....	267	48.6
1998 .....	272	49.4
1999 .....	270	48.6
2000 .....	241	41.2
2001 .....	186	33.1
2002 .....	198	34.5
<b>Texas, 2001</b> .....		46.4
<b>United States, 1999</b> .....		55.9

**Reported pregnancies of women age 15-17 per 1000 women age 15-17**



### Galveston County 2000-2002

Sources: Numbers of births, fetal deaths (stillborns), and reported abortions for Galveston County and Texas are from the Texas Department of Health (TDH) Center for Health Statistics. Population estimates used in calculating rates for Galveston County and Texas are from the TDH Center for Health Statistics and the 2000 Census. The U.S. rate is from Ventura SJ et al, Revised Pregnancy Rates, 1990-97, and New Rates for 1998-99: United States, National Vital Statistics Reports, vol 52 no 7, Hyattsville, MD: National Center for Health Statistics, 2003.

<b>Reported Tobacco Use in Pregnancy</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Galveston County, number	431	416	439
Galveston County, percent of all births	11.3	11.2	11.3
Texas, percent of all births	6.4	6.4	6.2
U.S. ("mothers who smoked"), percent of all births	12.2	12.0	11.4
Low-birth-weight (LBW) infants born to mothers reporting tobacco use in pregnancy			
Galveston County, number	49	38	50
Galveston County LBW percent, mothers reporting tobacco use	11.4	9.1	11.4
Texas LBW percent, mothers reporting tobacco use	11.5	11.8	11.7
U.S. LBW percent, mothers reporting smoking	12.1	11.9	12.2
Low-birth-weight (LBW) infants born to mothers NOT reporting tobacco use in pregnancy			
Galveston County, number	261	265	291
Galveston County LBW percent, mothers not reporting tobacco use	7.7	8.0	8.5
Texas LBW percent, mothers not reporting tobacco use	7.0	7.2	7.0
U.S. LBW percent, mothers not reporting smoking	7.2	7.3	7.5

Sources: Galveston County and Texas data are from Texas Department of Health Center for Health Statistics. U.S. data are from Martin JA et al, Births: Final data for 2000, Final data for 2001, and Final Data for 2002, National Vital Statistics Reports, vol. 50 no. 5, vol. 51 no. 2, and vol.52 no.10, Hyattsville, MD: National Center for Health Statistics, 2002, 2003.

Additional detailed data for 2000-2002 are available in the Excel file GCB0002.xls that includes the following tables:

- Galveston County Teen Pregnancy Data by Ethnicity
- Live Births to Mothers with Late or No Prenatal Care by Place of Residence and Ethnicity
- Live Births to Unmarried Mothers by Place of Residence and Ethnicity
- Live Births with Low Birth Weight by Place of Residence and Ethnicity
- Live Births to Mothers Under Age 18 by Place of Residence and Ethnicity

The *Healthy People 2010* Objectives mentioned in this report may be found in U.S. Dept. of Health and Human Services, *Healthy People 2010*, Washington, DC: U.S. Government Printing Office, November 2000.