

**Leading Causes of Death and Hospitalization in Beaumont MSA and Jefferson County, Texas,  
2005-2010**

**Data Requested by**  
City of Beaumont

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**Table 1. Number of Deaths for the Leading Causes of Death<sup>1</sup> by Year, Beaumont-Port Arthur MSA, Texas 2000-2010**

<b>Underlying Cause</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2005-2010</b>	<b>2000-2010</b>
Diseases of the Heart	1,092	970	964	1,002	860	857	5,745	11,993
Malignant Neoplasms [Cancer]	808	872	771	788	817	823	4,879	9,164
Accidents [Injuries]	215	255	248	249	232	200	1,399	2,341
Cerebrovascular Diseases [Stroke]	249	227	245	241	235	197	1,394	2,664
Chronic Lower Respiratory Diseases	221	193	227	250	227	237	1,355	2,326
Alzheimer's Disease	165	168	151	222	175	168	1,049	1,466
Diabetes Mellitus	129	139	101	87	89	79	624	1,306
Nephritis, Nephrotic Syndrome, Nephrosis	86	76	101	78	80	103	524	849
Influenza and Pneumonia	109	69	79	99	84	59	499	1,003
Septicemia	55	51	62	61	62	65	356	688
Chronic Liver Disease and Cirrhosis	57	33	60	46	42	62	300	511
Intentional Self-Harm [Suicide]	45	57	56	55	84	58	325	550

**Data Source:** Vital Statistics Unit, Center for Health Statistics, 2010, Texas Department of State Health Services.

<sup>1</sup> The Tenth Revision of the International Classification of Diseases (ICD-10) was used to classify mortality data. As defined by Vital Statistics, the ICD-10 codes were Diseases of the Heart: I00-I09, I11, I13, I20-I51; Malignant Neoplasms [Cancer]: C00-C97; Accidents [Injuries]: V01-X59, Y85-Y86; Cerebrovascular Diseases [Stroke]: I60-I69; Chronic Lower Respiratory Diseases: J40-J47; Alzheimer's Disease: G30; Diabetes Mellitus: E10-E14; Nephritis, Nephrotic Syndrome and Nephrosis: N00-N07, N17-N19, N25-N27; Influenza and Pneumonia: J10-J18; Chronic Liver Disease and Cirrhosis: K70, K73-K74; Intentional Self-Harm [Suicide]: X60-X84, Y87.0 (<http://soupin.tdh.state.tx.us/icd10.htm>).

**Table 2. Number of Hospitalizations<sup>1, 2</sup> for Leading Causes of Death by Year, Jefferson County, Texas, 2005-2010**

<b>Principal Diagnosis</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Diseases of the Heart	4,283	3,824	3,262	3,275	2,838	2,996
Malignant Neoplasms [Cancer]	1,175	1,058	1,017	910	926	833
Cerebrovascular Diseases [Stroke]	1,076	882	775	832	772	773
Chronic Lower Respiratory Diseases	1,038	852	812	929	981	1,028
Alzheimer's Disease	63	91	127	148	114	75
Diabetes Mellitus	758	623	552	527	520	521
Nephritis, Nephrotic Syndrome, Nephrosis	264	362	340	323	300	370
Influenza and Pneumonia	1,651	1,309	1,470	1,300	1,293	1,168
Septicemia	761	669	559	660	617	756
Chronic Liver Disease and Cirrhosis	145	97	111	82	76	84

**Data Source:** Texas Health Care Information Collection (THCIC), Inpatient Hospital Discharge Public Use Data File, 2005, 2006, 2007, 2008, 2009, 2010.

<sup>1</sup> Hospital discharges were calculated for Jefferson County, Texas, however the disease were chosen based on the leading causes of death in the Beaumont-Port Arthur MSA from 2005-2010.

<sup>2</sup> The Ninth Revision of the International Classification of Diseases (ICD-9) was used to classify hospital discharge data. Hospital records listing the following ICD-9 codes as the principal diagnosis: Diseases of the Heart: 390-429; Malignant Neoplasms [Cancer]: 140–209; Cerebrovascular Diseases: 430-438; Chronic Lower Respiratory Diseases: 490-496; Alzheimer’s Disease: 331; Diabetes Mellitus: 250; Nephritis, Nephrotic Syndrome, Nephrosis: 580-589; Influenza and Pneumonia: 480-488; Septicemia: 038; Chronic Liver Disease and Cirrhosis: 571.

**Note:** Two leading causes of death in Beaumont-Port Arthur MSA – Accidents [Injuries] and Intentional Self-Harm [Suicide] – are not included in this table due to incomparability in coding between mortality and hospital discharge data.

## **Limitations of the data:**

### **The data above should be interpreted cautiously for the following reasons.**

- Mortality data are reported for Beaumont-Port Arthur MSA whereas hospital discharge data are reported for Jefferson County, which is where Beaumont City is located.
- We have reported the top 10 leading causes of death which includes both chronic and acute conditions. Providing only the leading causes of death and hospitalization for chronic diseases may be misleading.
- The data shows only the number of deaths and hospitalizations and does not show the rate. This does not reflect the difference in the size of population in Beaumont-Port Arthur MSA and Jefferson County, age distribution or other demographic factors.
- The Texas Hospital Inpatient Discharge Public Use Data represent the number of inpatient hospitalizations. An individual can be hospitalized more than once for the same condition during the data collection period and multiple hospitalizations cannot be distinguished from the data source since the data have been de-identified.
- The Texas Hospital Inpatient Discharge Public Use Data is not a complete source of information on discharges as some hospitals in Texas are exempt from reporting requirements. This may result in an underestimation of related discharges in hospitals.
- The Texas Hospital Inpatient Discharge Public Use Data Results do not include HIV and drug/alcohol use patients.