

Island County Community Health Planning 2015 Community Health Assessment



Category: Health Outcomes	Section: Morbidity	Topic: Hospital Utilization
Indicator: Top 10 Leading Causes of Hospitalizations for Total Population		
Prepared by: Laura Luginbill		

I. ISLAND COUNTY DATA

Source: WA Hospital Discharge Data, Comprehensive Hospitalization Abstract Reporting System (CHARS) 1987-2013. Washington State Department of Health, Center for Health Statistics. August 2014.	Year: 2014
Source Link: Not available.	
Data Point: See below	

	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI
1	Diseases of the circulatory system	1040	1298.97	1221.21	1380.38	888.68	832.51	948.86
2	Diseases of the musculoskeletal system and connective tissue	761	950.5	884.15	1020.5	650.41	602.08	702.8
3	Diseases of the digestive system	681	850.58	787.88	916.93	697.2	641.92	756.91
4	Injury and poisoning	626	781.88	721.82	845.6	629.87	577.68	686.5
5	Complications of pregnancy; childbirth; and the puerperium	588	734.42	676.25	796.26	895.02	823.48	971.67
6	Certain conditions originating in the perinatal period	562	701.94	645.1	762.45	756.02	694.8	821.96
7	Diseases of the respiratory system	528	659.48	604.42	718.21	484.09	441.33	531.04
8	Infectious and parasitic diseases	382	477.12	430.47	527.45	359.05	321.49	400.93
9	Mental Illness	358	447.15	402.02	495.95	469.95	420.37	524.47
10	Neoplasms	348	434.66	390.18	482.81	344.33	305.72	387.46

II. ISLAND COUNTY SUB-GROUPS

Is data available for sub-groups of our population? If so, please list below: 2013-2014					
Sub-Group: 15-24 years					
	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI

	Complications of pregnancy; childbirth; and the puerperium	342	1758.82	1577.33	1955.47
1	Mental Illness	136	699.41	586.8	827.34
2	Injury and poisoning	62	318.85	244.46	408.75
3	Diseases of the digestive system	60	308.57	235.47	397.18
4	Neoplasms	25	128.57	83.2	189.79
5	Diseases of the circulatory system	23	118.28	74.98	177.48

Is data available for sub-groups of our population? If so, please list below: **2013-2014**

Sub-Group: 25-44 years

	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI
	Complications of pregnancy; childbirth; and the puerperium	763	2191.24	2038.49	2352.4
1	Mental Illness	231	663.4	580.6	754.7
2	Diseases of the digestive system	183	525.55	452.16	607.46
3	Injury and poisoning	148	425.04	359.31	499.3
4	Diseases of the genitourinary system	76	218.26	171.97	273.19
5	Diseases of the circulatory system	75	215.39	169.42	269.99

Is data available for sub-groups of our population? If so, please list below: **2013-2014**

Sub-Group: 45-64 years

	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI
1	Diseases of the musculoskeletal system and connective tissue	574	1290.97	1187.5	1401.03
2	Diseases of the circulatory system	492	1106.54	1010.91	1208.78
3	Diseases of the digestive system	474	1066.06	972.23	1166.5
4	Injury and poisoning	354	796.17	715.38	883.59
5	Diseases of the respiratory system	269	605	534.85	681.79

Is data available for sub-groups of our population? If so, please list below: **2013-2014**

Sub-Group: 65-85 years

	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI
1	Diseases of the circulatory system	1082	3633.49	3420.18	3856.62
2	Diseases of the musculoskeletal system and connective tissue	813	2730.16	2545.68	2924.46
3	Diseases of the digestive system	554	1860.4	1708.68	2021.98
4	Diseases of the respiratory system	525	1763.02	1615.41	1920.49
5	Injury and poisoning	470	1578.32	1438.83	1727.68

Is data available for sub-groups of our population? If so, please list below:

Sub-Group: 85+ years					
	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI
1	Diseases of the circulatory system	379	9571.92	8632.35	10585.85
2	Injury and poisoning	181	4571.29	3929.52	5287.97
3	Diseases of the respiratory system	176	4445.01	3812.51	5152.45
4	Diseases of the digestive system	144	3636.83	3067.04	4281.73
5	Infectious and parasitic diseases	108	2727.62	2237.46	3293.2

III. ISLAND COUNTY TRENDS

Is data available for previous years in Island County? If so, please list below:							
Diseases of the circulatory system							
Year	Count	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI	Rate	Lower CI	Upper CI
1991-1992	1451	1519.51	1440.07	1602.78	1317.73	1250.79	1387.32
1993-1994	1460	1459.32	1383.94	1538.22	1305	1238.91	1373.7
1995-1996	1675	1577.65	1502.06	1656.43	1480.77	1410.69	1553.42
1997-1998	1763	1566.08	1493.34	1641.72	1533.91	1463.14	1607.23
1999-2000	2157	1814.34	1738.24	1893.1	1858.84	1781.21	1938.98
2001-2002	2299	1406.56	1349.31	1465.78	1582.4	1518.37	1648.43
2003-2004	2169	1238.68	1186.72	1292.56	1463.01	1402.08	1525.91
2005-2006	2144	1137.09	1088.88	1187.18	1399.31	1340.69	1459.82
2007-2008	2297	1147.29	1099.96	1196.5	1464.46	1405.17	1525.6
2009-2010	2008	942.97	901.01	986.87	1276.34	1221.12	1333.42
2011-2012	2034	911.09	870.51	953.62	1285.21	1229.96	1342.31
2013-2014	2055	892.03	851.9	934.14	1285.79	1230.79	1342.61

Is data available for previous years in Island County? If so, please list below:							
Diseases of the musculoskeletal system							
Year	Count	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI	Rate	Lower CI	Upper CI
1991-1992	447	440.88	399.84	485.68	405.95	369.18	445.38
1993-1994	388	371.56	334.88	411.71	346.81	313.15	383.1
1995-1996	432	398.97	361.83	439.3	381.91	346.74	419.68
1997-1998	467	406.67	370.47	445.76	406.32	370.3	444.9
1999-2000	544	460.66	422.64	501.37	468.8	430.23	509.91
2001-2002	785	490.07	456.15	526	540.31	503.17	579.47
2003-2004	930	538.78	504.29	575.23	627.29	587.62	668.94
2005-2006	998	533.88	500.69	568.98	651.36	611.57	693.06
2007-2008	1087	546.37	513.52	581.14	693.02	652.43	735.48
2009-2010	1272	611.46	576.99	647.9	808.52	764.69	854.2
2011-2012	1429	665.01	628.89	703.17	902.94	856.72	951

2013-2014	1528	657.36	622.8	693.91	956.05	908.71	1005.22
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Is data available for previous years in Island County? If so, please list below:

Diseases of the digestive system

Year	Count	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI	Rate	Lower CI	Upper CI
1991-1992	694	695.64	643.21	751.85	630.26	584.23	678.95
1993-1994	778	751.59	698.66	807.99	695.41	647.39	746.04
1995-1996	766	718.5	667.91	772.3	677.17	630.06	726.88
1997-1998	858	764.55	713.93	818.1	746.51	697.39	798.18
1999-2000	1057	899.99	846.37	956.3	910.89	856.8	967.51
2001-2002	1184	763.25	720.05	808.49	814.95	769.18	862.72
2003-2004	1365	828.18	784.24	874.14	920.71	872.5	970.88
2005-2006	1377	785.33	743.55	829.08	898.71	851.87	947.47
2007-2008	1514	830.74	788.06	875.43	965.25	917.24	1015.13
2009-2010	1424	768.28	726.85	811.84	905.13	858.73	953.4
2011-2012	1449	757.41	716.55	800.43	915.57	869.03	963.96
2013-2014	1442	736.47	696.21	778.91	902.24	856.27	950.04

Is data available for previous years in Island County? If so, please list below:

Injury and poisoning

Year	Count	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI	Rate	Lower CI	Upper CI
1991-1992	799	782.03	726.83	840.98	725.62	676.17	777.72
1993-1994	706	680.42	630.06	734.24	631.05	585.35	679.37
1995-1996	729	677.93	628.89	730.17	644.47	598.52	693
1997-1998	771	693.75	645.31	745.13	670.82	624.29	719.89
1999-2000	819	706.03	658.32	756.46	705.79	658.27	755.83
2001-2002	1017	659.06	618.87	701.29	700	657.63	744.38
2003-2004	1212	745.97	704.02	789.94	817.51	772.12	864.86
2005-2006	1184	696.07	656.24	737.92	772.75	729.36	818.05
2007-2008	1200	654.9	617.3	694.5	765.06	722.38	809.61
2009-2010	1202	648.42	610.59	688.35	764.02	721.44	808.47
2011-2012	1192	641.56	603.41	681.91	753.18	711.03	797.19
2013-2014	1253	630.17	593.25	669.27	783.99	741.17	828.63

Is data available for previous years in Island County? If so, please list below:

Diseases of the respiratory system

Year	Count	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI	Rate	Lower CI	Upper CI
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1991-1992	570	538.69	494.01	587.05	517.65	476.02	561.94
1993-1994	593	555.09	510.18	603.44	530.05	488.24	574.48
1995-1996	662	606.79	560.7	656.05	585.23	541.5	631.57
1997-1998	686	603.54	558.87	651.11	596.86	553.02	643.25
1999-2000	885	746.23	697.68	797.47	762.67	713.24	814.62
2001-2002	891	564.08	527.38	602.79	613.27	573.66	654.9
2003-2004	839	501.22	467.55	536.89	565.91	528.26	605.54
2005-2006	918	511.17	478.16	546.12	599.14	561.01	639.19
2007-2008	989	527.29	494.16	562.38	630.54	591.85	671.1
2009-2010	1066	552.82	518.85	588.85	677.58	637.51	719.51
2011-2012	928	449.42	419.56	481.35	586.37	549.25	625.35
2013-2014	1098	499.27	468.59	531.99	687.01	646.97	728.88

IV. WASHINGTON STATE

Source: WA Hospital Discharge Data, Comprehensive Hospitalization Abstract Reporting System (CHARS) 1987-2013. Washington State Department of Health, Center for Health Statistics. August 2014.	Year: 2013
Source Link: Not available.	
Data Point: See below. ISLAND COUNTY TOP 10	

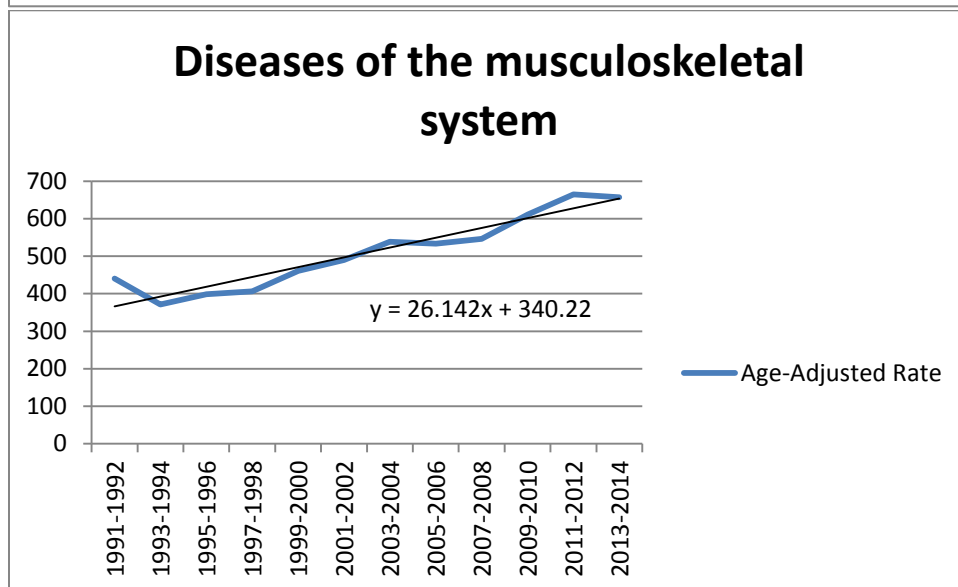
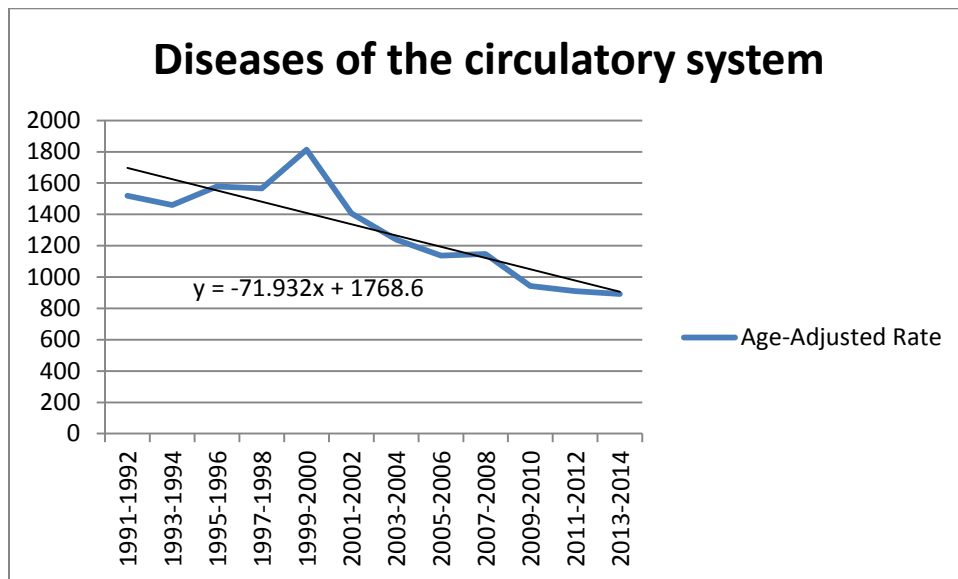
	Primary Diagnosis for Hospitalization	Count	Rate	Lower CI	Upper CI	Age-Adjusted Rate	Age-Adjusted Lower CI	Age-Adjusted Upper CI
1	Diseases of the circulatory system	77239	1108.45	1100.65	1116.3	1002.17	994.96	1009.42
2	Diseases of the musculoskeletal system and connective tissue	45670	655.41	649.41	661.45	574.73	569.35	580.16
3	Diseases of the digestive system	53816	772.31	765.8	778.86	723.23	717.01	729.5
4	Injury and poisoning	48254	692.49	686.33	698.7	647.47	641.59	653.39
5	Complications of pregnancy; childbirth; and the puerperium	83669	1200.73	1192.61	1208.9	1248.86	1240.37	1257.39
6	Certain conditions originating in the perinatal period	81730	1172.9	1164.88	1180.97	1297.42	1288.54	1306.34
7	Diseases of the respiratory system	41483	595.32	589.61	601.08	554.42	548.99	559.9
8	Infectious and parasitic diseases	36562	524.7	519.34	530.11	483.92	478.87	489.02
9	Mental Illness	30565	438.64	433.73	443.58	433.32	428.4	438.28
10	Neoplasms	25531	366.39	361.91	370.92	331.1	326.96	335.29

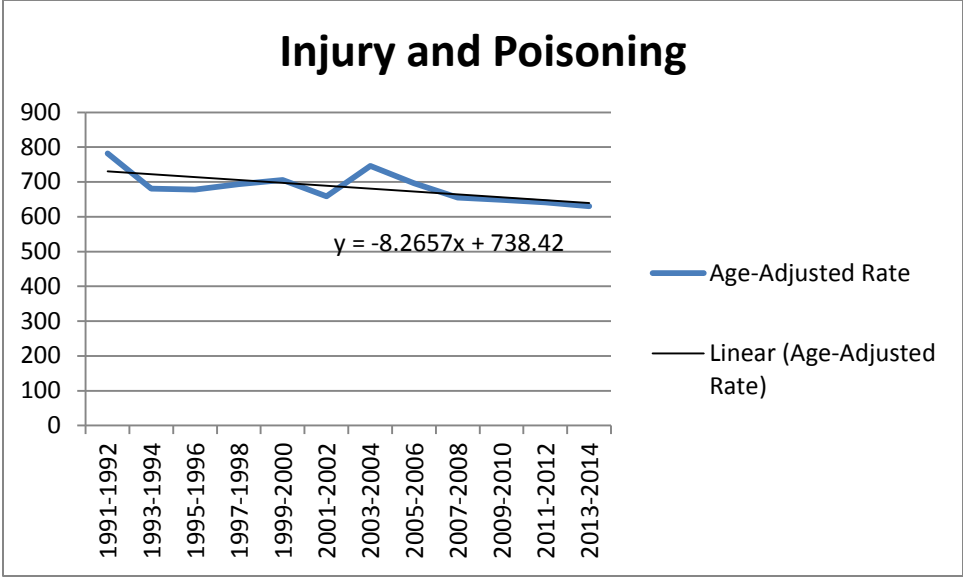
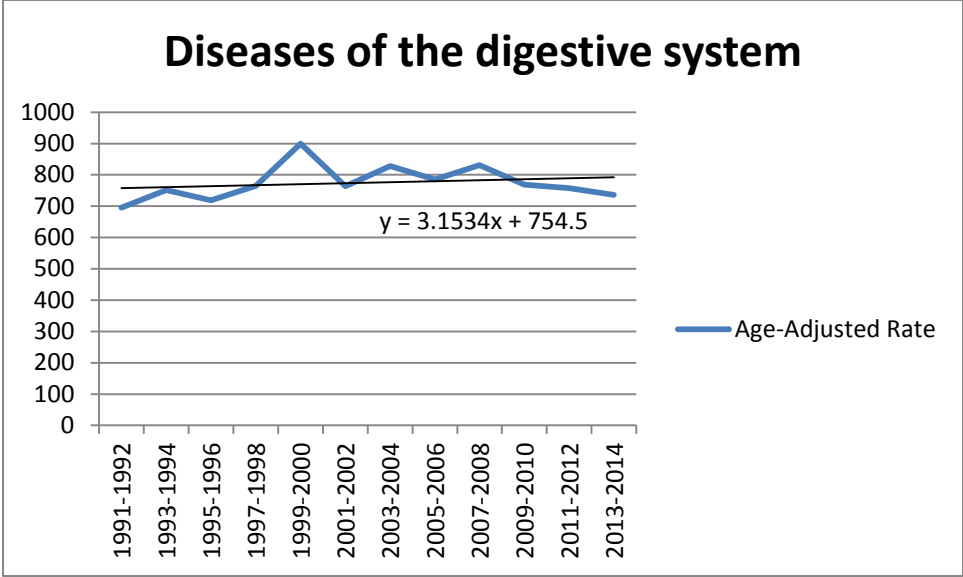
V. UNITED STATES

Source: Not available.	Year:
Source Link:	
Data Point:	

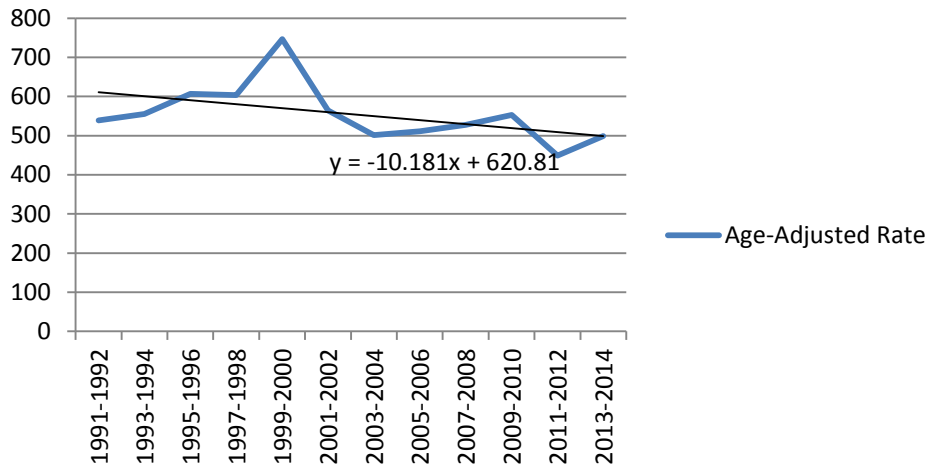
VI. STANDARD OR GOAL

Source: None noted.
Source Link:
Standard or Goal:





Diseases of the respiratory system



All-Cause Hospitalization Rate

