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Appendix E. Disease and Disability

Please note: “All Kansans” in the following figures refers to all Kansans in the subpopulation described in the title of the figures.

Figure E1a. Percent of Population with Any Disability by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	377,349	13.0%	185,845	12.9%	191,504	13.2%
Non-Hispanic White	307,725	13.8%	151,274	13.7%	156,451	13.9%
Non-Hispanic African-American	25,531	15.7%	12,477	15.0%	13,054	16.3%
Non-Hispanic American Indian/Alaska Native	3,977	19.9%	1,843	19.0%	2,134	20.8%
Non-Hispanic Asian/Pacific Islander	4,784	6.4%	1,821	5.1%	2,963	7.6%
Non-Hispanic Some Other Race	322	19.1%	101	14.1%	221	22.7%
Non-Hispanic Two or More	10,843	13.4%	5,494	13.4%	5,349	13.3%
Hispanic, Any Race	24,167	7.5%	12,835	7.6%	11,332	7.3%

Note: See *Technical Notes, Appendix H* for the description of Any Disability. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1b. Percent of Population with a Self-Care Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	80,379	3.0%	34,275	2.6%	46,104	3.4%
Non-Hispanic White	66,775	3.2%	28,308	2.7%	38,467	3.6%
Non-Hispanic African-American	5,566	3.7%	2,209	2.9%	3,357	4.6%
Non-Hispanic American Indian/Alaska Native	847	4.5%	405	4.5%	442	4.5%
Non-Hispanic Asian/Pacific Islander	1,052	1.5%	357	1.1%	695	1.9%
Non-Hispanic Some Other Race	32	2.0%	0	0.0%	32	3.4%
Non-Hispanic Two or More Races	2,005	2.9%	865	2.5%	1,140	3.3%
Hispanic, Any Race	4,102	1.4%	2,131	1.4%	1,971	1.4%

Note: See *Technical Notes, Appendix H* for the description of Self-Care Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1c. Percent of Population with a Hearing Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	115,317	4.0%	70,684	4.9%	44,633	3.1%
Non-Hispanic White	100,780	4.5%	62,106	5.6%	38,674	3.4%
Non-Hispanic African-American	3,481	2.1%	2,110	2.5%	1,371	1.7%
Non-Hispanic American Indian/Alaska Native	910	4.6%	525	5.4%	385	3.8%
Non-Hispanic Asian/Pacific Islander	1,453	1.9%	681	1.9%	772	2.0%
Non-Hispanic Some Other Race	63	3.7%	11	1.5%	52	5.3%
Non-Hispanic Two or More Races	2,020	2.5%	1,181	2.9%	839	2.1%
Hispanic, Any Race	6,610	2.0%	4,070	2.4%	2,540	1.6%

Note: See *Technical Notes, Appendix H* for the description of Hearing Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1d. Percent of Population with a Vision Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	61,735	2.1%	28,201	2.0%	33,534	2.3%
Non-Hispanic White	47,513	2.1%	22,052	2.0%	25,461	2.3%
Non-Hispanic African-American	4,886	3.0%	2,116	2.5%	2,770	3.5%
Non-Hispanic American Indian/Alaska Native	688	3.4%	197	2.0%	491	4.8%
Non-Hispanic Asian/Pacific Islander	1,129	1.5%	288	0.8%	841	2.2%
Non-Hispanic Some Other Race	62	3.7%	31	4.3%	31	3.2%
Non-Hispanic Two or More Races	1,852	2.3%	703	1.7%	1,149	2.9%
Hispanic, Any Race	5,605	1.7%	2,814	1.7%	2,791	1.8%

Note: See *Technical Notes, Appendix H* for the description of Vision Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1e. Percent of Population with an Independent Living Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	132,347	5.8%	53,258	4.7%	79,089	6.8%
Non-Hispanic White	109,909	6.0%	43,165	4.8%	66,744	7.2%
Non-Hispanic African-American	9,132	7.3%	4,117	6.4%	5,015	8.2%
Non-Hispanic American Indian/Alaska Native	1,258	8.0%	526	7.0%	732	8.9%
Non-Hispanic Asian/Pacific Islander	2,288	3.9%	675	2.4%	1,613	5.2%
Non-Hispanic Some Other Race	79	6.4%	31	7.3%	48	5.9%
Non-Hispanic Two or More Races	3,396	7.2%	1,456	6.1%	1,940	8.3%
Hispanic, Any Race	6,285	2.9%	3,288	2.9%	2,997	3.0%

Note: See *Technical Notes, Appendix H* for the description of Independent Living Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1f. Percent of Population with an Ambulatory Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	196,221	7.3%	80,266	6.0%	115,955	8.5%
Non-Hispanic White	162,936	7.8%	66,434	6.4%	96,502	9.1%
Non-Hispanic African-American	14,015	9.3%	5,589	7.3%	8,426	11.5%
Non-Hispanic American Indian/Alaska Native	2,398	12.7%	895	10.0%	1,503	15.2%
Non-Hispanic Asian/Pacific Islander	2,308	3.3%	694	2.1%	1,614	4.4%
Non-Hispanic Some Other Race	136	8.7%	50	7.9%	86	9.2%
Non-Hispanic Two or More Races	4,670	6.8%	1,724	5.1%	2,946	8.5%
Hispanic, Any Race	9,758	3.4%	4,880	3.3%	4,878	3.6%

Note: See *Technical Notes, Appendix H* for the description of Ambulatory Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E1g. Percent of Population with a Cognitive Difficulty by Race/Ethnicity and Gender in Kansas, 2015

	All		Male		Female	
	Count	%	Count	%	Count	%
All Kansans	149,035	5.5%	75,202	5.6%	73,833	5.4%
Non-Hispanic White	117,104	5.6%	57,610	5.6%	59,494	5.6%
Non-Hispanic African-American	11,807	7.8%	6,812	8.8%	4,995	6.8%
Non-Hispanic American Indian/Alaska Native	1,704	9.1%	793	8.9%	911	9.2%
Non-Hispanic Asian/Pacific Islander	1,899	2.7%	729	2.2%	1,170	3.2%
Non-Hispanic Some Other Race	193	12.3%	45	7.2%	148	15.8%
Non-Hispanic Two or More Races	5,832	8.5%	3,383	10.0%	2,449	7.0%
Hispanic, Any Race	10,496	3.7%	5,830	3.9%	4,666	3.4%

Note: See *Technical Notes, Appendix H* for the description of Cognitive Difficulty. Non-Hispanic Other includes Non-Hispanic Some Other Race and Non-Hispanic Two or More Races. Non-Hispanic White, Non-Hispanic African American, Non-Hispanic American Indian/Alaska Native, Non-Hispanic Asian/Pacific Islander and Non-Hispanic Some Other Race are based on those reporting those races alone and not in combination. Two or More Races captures persons reporting more than one race.

Source: KHI analysis of data from the U.S. Census Bureau's American Community Survey 2015 Public Use Microdata Sample (2011-2015) 5-Year Estimates.

Figure E2. Hospital Discharge Rates by Race/Ethnicity, Gender and Condition in Kansas, 2015

Condition	Gender	All Kansans				Non-Hispanic White				Non-Hispanic African American				Non-Hispanic American Indian/ Alaska Native				Non-Hispanic Asian/ Pacific Islander				Hispanic, Any Race			
		2005-2006		2010-2011		2005-2006		2010-2011		2005-2006		2010-2011		2005-2006		2010-2011		2005-2006		2010-2011		2005-2006		2010-2011	
		Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
All Discharges	Male	253,965	960.2	229,487	813.2	181,661	802.9	156,169	668.8	14,792	1,078.6	14,891	968.1	651	310.4	757	305.5	2,034	495.5	2,134	409.2	11,519	620.2	10,160	404.3
	Female	394,355	1,324.4	334,558	1,090.4	277,107	1,085.7	225,691	893.3	24,382	1,553.2	23,445	1,386.9	1,006	404.3	1,162	422.9	3,755	697.2	4,229	611.3	20,392	976.4	18,000	644.5
	Total	648,393	1,135.0	564,091	946.7	458,795	940.1	381,892	778.0	39,175	1,311.5	38,338	1,167.4	1,657	352.4	1,919	365.4	5,791	599.3	6,364	514.8	31,915	778.4	28,162	514.5
Circulatory System Disorders	Male	45,692	177.3	34,327	122.8	33,960	146.2	24,737	99.6	2,424	219.2	2,352	187.2	75	40.9	98	49.5	184	61.2	175	54.1	1,030	106.4	720	57.8
	Female	44,283	132.3	31,148	89.3	33,309	108.1	22,233	70.3	2,980	221.4	2,651	178.5	69	38.2	83	38.1	215	62.9	177	43.1	886	91.4	535	41.7
	Total	89,977	152.7	65,476	104.6	67,270	125.5	46,971	83.7	5,404	220.4	5,003	181.5	144	39.6	181	43.6	399	63.0	352	47.8	1,916	98.9	1,255	49.3
Respiratory System Disorders	Male	31,885	124.3	26,925	96.8	23,931	106.3	18,921	79.6	1,751	135.2	1,662	111.5	105	57.5	95	40.4	223	80.0	208	60.9	1,042	65.5	1,022	46.5
	Female	36,873	115.0	29,997	90.1	28,172	98.1	21,566	74.6	2,065	138.3	1,918	119.2	78	35.3	95	39.0	206	59.3	209	47.3	772	51.6	751	34.9
	Total	68,758	118.1	56,922	92.4	52,103	100.8	40,487	76.2	3,816	135.4	3,580	114.6	183	44.8	190	39.9	429	68.1	417	52.8	1,814	58.0	1,773	40.3
Digestive System Disorders	Male	24,462	93.5	20,509	73.6	17,915	78.7	14,576	61.3	1,182	93.6	1,134	82.2	37	19.6	59	24.2	205	55.2	162	39.4	1,066	67.4	703	36.7
	Female	33,957	109.4	27,096	83.8	25,520	93.0	19,733	70.7	1,823	127.9	1,660	110.3	70	32.0	80	33.9	227	56.0	197	39.7	924	68.1	660	37.8
	Total	54,768	94.1	50,565	81.6	43,435	86.0	34,309	66.1	3,005	112.1	2,794	97.0	107	25.9	139	30.4	432	56.4	359	39.6	1,990	67.8	1,363	37.3
Musculoskeletal Disorders	Male	21,645	83.2	21,195	75.4	16,182	70.5	15,634	63.9	884	68.2	953	66.8	42	18.9	52	23.9	70	23.5	73	17.7	624	48.0	553	34.1
	Female	33,122	101.5	29,369	86.2	25,312	86.0	21,987	72.5	1,207	87.3	1,315	86.2	45	21.5	55	26.1	118	35.7	138	30.2	582	55.0	469	33.7
	Total	58,420	101.5	47,605	79.0	41,495	79.6	37,622	68.9	2,091	79.6	2,268	77.8	87	21.1	107	27.7	188	30.6	211	25.1	1,206	52.2	1,022	34.1
Nervous System Disorders	Male	15,687	60.8	14,814	53.6	11,682	51.3	9,929	41.5	973	81.4	1,021	75.1	25	13.2	28	12.6	109	38.1	103	26.2	572	41.1	444	25.7
	Female	18,692	58.5	16,666	50.2	14,280	50.2	11,421	39.4	1,235	87.2	1,254	82.9	25	11.1	39	14.5	135	41.5	111	26.0	405	31.3	364	23.5
	Total	34,380	59.3	31,480	51.6	25,963	50.4	21,350	40.3	2,208	84.0	2,275	78.8	50	13.6	67	14.5	244	40.7	214	26.4	977	36.0	808	24.6
Mental Health Disorders	Male	10,795	39.9	11,378	40.8	8,052	36.3	6,843	31.2	1,106	68.9	856	46.4	51	18.1	78	26.1	92	32.5	59	8.6	335	16.7	262	8.5
	Female	14,330	50.7	14,199	49.7	10,799	45.7	8,754	37.8	1,251	79.7	1,016	59.7	56	21.0	101	33.0	163	46.2	56	7.4	432	24.1	363	14.3
	Total	25,125	45.2	25,577	45.4	18,851	41.0	15,597	34.6	2,357	74.6	1,872	53.1	107	20.5	179	30.6	255	40.2	115	8.3	767	20.1	625	11.3
Endocrine/ Metabolic Disorders	Male	8,454	32.1	7,575	26.8	6,108	27.1	5,064	21.5	637	47.5	661	44.2	26	12.7	32	11.5	65	17.2	75	18.3	367	22.8	334	17.0
	Female	14,517	47.1	10,712	33.8	10,878	40.5	7,534	28.2	1,052	72.3	892	56.9	23	11.2	32	12.2	96	24.4	132	28.3	424	28.6	313	17.9
	Total	22,972	39.8	18,287	30.7	16,986	34.1	12,598	25.0	1,689	60.7	1,553	50.9	49	11.9	64	13.2	161	21.6	207	24.2	791	25.7	647	17.6
Liver, Pancreas, and Kidney and Urinary	Male	17,189	66.0	17,125	61.5	12,540	54.5	11,577	47.9	1,019	86.6	1,207	91.1	38	21.1	42	17.3	126	35.9	126	28.4	664	52.8	625	37.6
	Female	22,505	72.9	21,003	64.9	16,426	60.5	14,214	50.9	1,325	94.4	1,542	102.4	69	30.8	82	30.6	148	34.9	171	33.6	1,028	69.4	822	44.7
	Total	39,695	68.9	38,128	62.7	28,966	57.0	25,791	49.1	2,344	90.9	2,749	97.1	107	29.8	124	25.1	274	35.7	297	31.9	1,692	60.2	1,447	40.9
Maternal Care	Female	82,586	313.1	73,193	272.3	49,148	237.9	44,639	219.4	5,533	301.3	5,414	283.0	306	102.4	321	99.2	1,433	169.2	1,800	186.6	8,977	335.1	8,419	251.6
	Male	38,413	146.2	39,329	140.5	28,399	125.2	27,147	114.7	2,456	180.8	2,681	179.3	111	57.9	140	59.5	256	63.3	259	56.7	1,533	94.4	1,469	69.4
	Total	94,253	166.0	86,250	144.8	69,923	141.6	60,336	118.8	6,054	211.9	6,204	199.4	239	54.8	297	60.8	638	72.4	671	67.2	3,242	102.2	2,887	70.7

Note: Rates are for two two-year federal fiscal year (FFY) periods. Rates are age-adjusted and per 10,000 persons. Numerators based on FFY and denominators based on Census mid-year population estimates. Rates for Other non-Hispanic birth counts are not included as a separate category due to the use of bridged-race estimates for denominators. These counts are included in the count for All Kansans and the sum of the other racial/ethnic groups will not sum up to the count for All Kansans. Using bridged-race estimates, persons identifying as Some Other Race and Two or More Races have been reapportioned to one of the following racial categories: White, African American, American Indian/Alaska Native, and Asian/Pacific Islander.

Source: KHI analysis of hospital discharge data from the Kansas Hospital Association, data from combined FFY 2005-2006 and 2010-2011.