

Informing Policy. Improving Health.

Health Disparities in Kansas: Where Are We Now, and Where (may) We Be Headed?

May 11, 2018 Robert St. Peter, M.D.

What is Health?

Health is a state of complete physical, mental and social wellbeing, and not merely the absence of disease or infirmity.

World Health Organization

What is Population Health?

The health outcomes of a group of individuals, including the distribution of such outcomes within the group.

Kindig, Stoddart 2003

Whose Population Are We Talking About?

- Employer
- Physician practice
- Hospital/health system
- Insurer
- Community
- State
- Nation

Definitions

- Health Disparity: differences in health status and mortality rates across population groups, which can sometimes be expected. (e.g. cancer rates in the elderly vs. children)
- Health Inequity: differences in health status and mortality rates across population groups that are systemic, avoidable, unfair and unjust. (e.g. cancer mortality for low-income vs. high-income people)

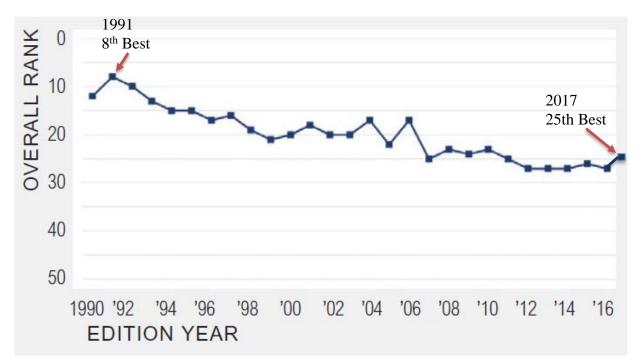
Types of health disparities

Differences in health status by:

- Age
- Gender
- Geography
- Income
- Education
- Race/ethnicity

HOW HEALTHY ARE WE?

United Health Foundation Health Ranking for Kansas



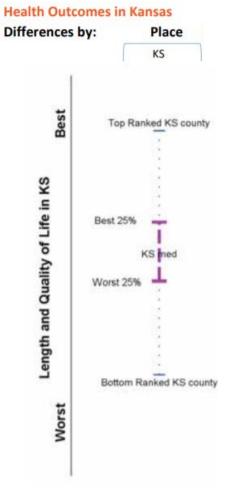
Health Outcomes – 2018

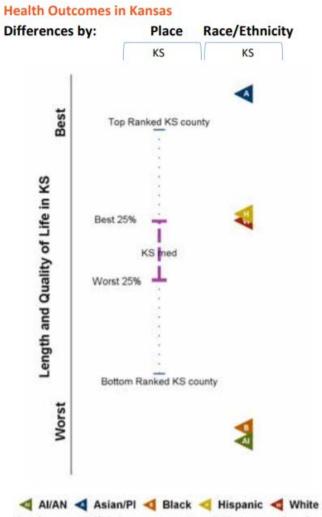
CN		RA	DC	NT	PL	SM	Wť	RP	ws	MS	5 N	MBF		
SH		ТН	SD	GH	RO	OB	МС	CD	СҮ	RL	рт	JA	AT <	
WA	L	6	GO	TR	EL	RS	LC	от			WB	SN	JF DG	JO
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GL	WH	SC	LE	NS	RH	BT				1	LY	OS	FR	MI
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НМ	KE	FI		HG	PN	SF		HV						
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MT	SV	SW	ME	CA	СМ	BA	НР	SU		CL	CQ	MG	LB	СК

Rank 1-26 Rank 27-52 Rank 53-77 Rank 78-103 Not Ranked

CHR DISPARITIES IN KANSAS, 2017

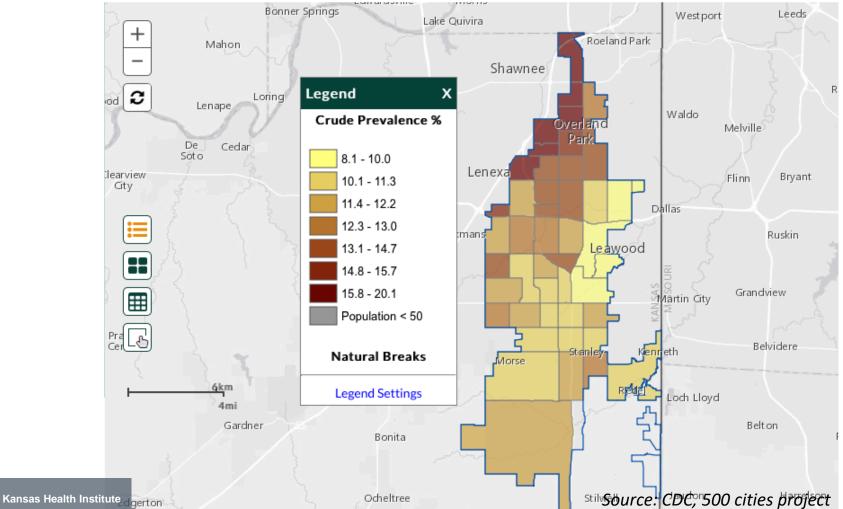
Measure	Kansas	Worst County Value	Best County Value
Adult Smoking	18%	22% Geary	11% Johnson
STIs	384.1	726.4 Wyandotte	71.1 Norton
Teen Birth rate	36	83 Seward	12 Douglas
Children with single parent	29%	46% Wyandotte	6.3% Scott



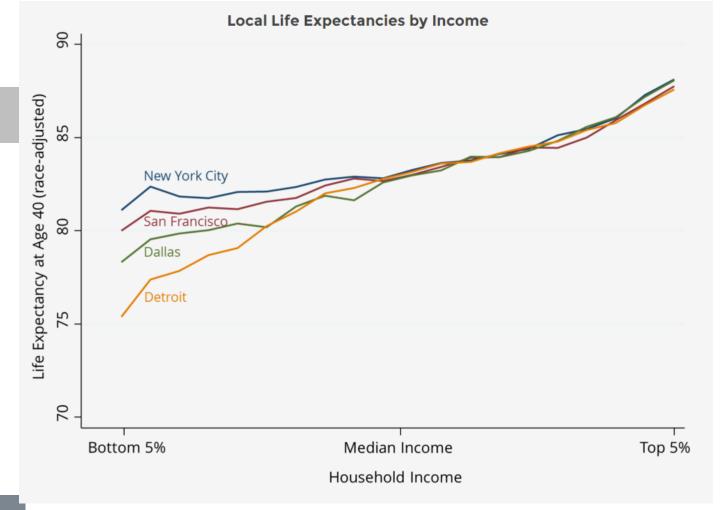


Kansas Health Institute

Model-based estimates for current smoking among adults aged >=18 years - 2014



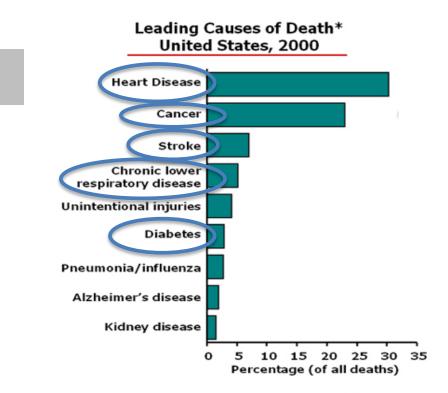
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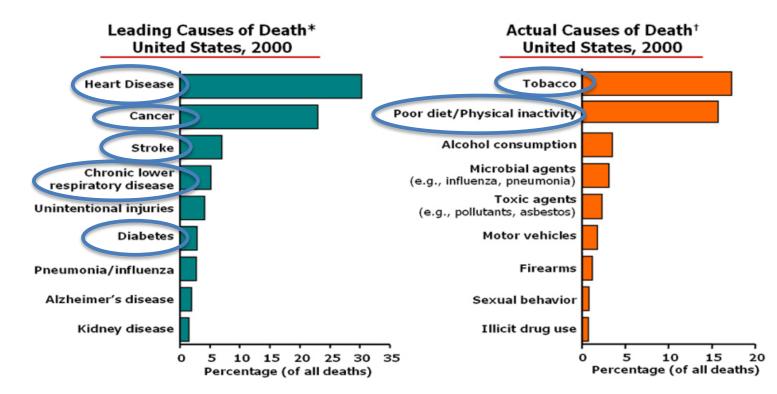
WHAT MAKES US HEALTHY?

WHAT DO PEOPLE DIE FROM? "LEADING CAUSE" MODEL



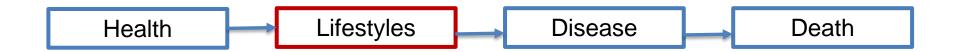


* Miniño AM, Arias E, Kochanek KD, Murphy SL, Smith BL. Deaths: final data for 2000. National Vital Statistics Reports 2002; 50(15):1-120.
 † Mokdad AH, Marks JS, Stroup DF, Gerberding JL. Actual causes of death in the United States, 2000. JAMA. 2004;291(10):1238-1246.



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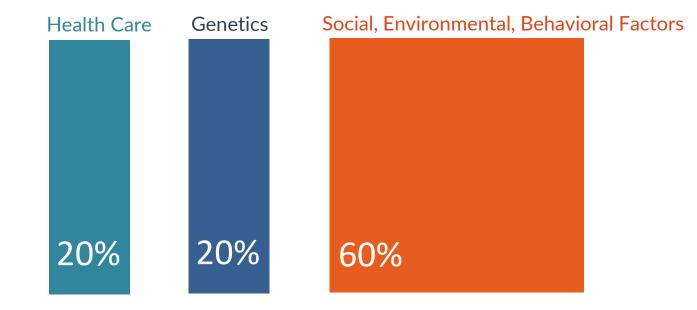
WHAT DO PEOPLE DIE FROM? "ACTUAL CAUSE" MODEL



THE ROOT CAUSES

- Why do people adopt unhealthy lifestyles?
- What drives individual decisions about personal health?
- Are there other factors that affect health outcomes?

WHAT DETERMINES HEALTH?



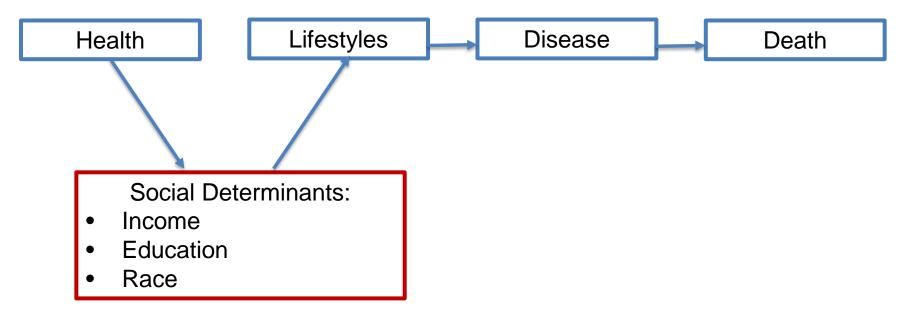
Kansas Health Institute

Source: Bradley & Taylor, <u>The American Healthcare Paradox</u>

DETERMINANTS OF HEALTH

- SOCIAL AND ECONOMIC CONDITIONS
- PHYSICAL AND BUILT ENVIRONMENTS
- HEALTH BEHAVIORS AND COPING SKILLS
- GENES AND BIOLOGY
- HEALTH CARE SERVICES

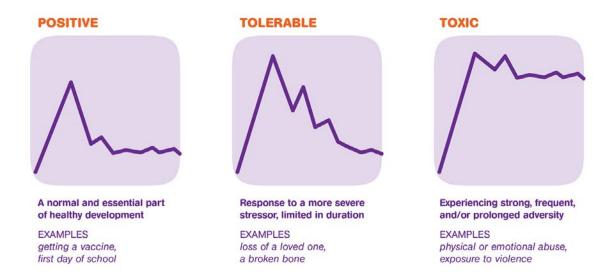
WHAT DO PEOPLE DIE FROM? "SOCIAL DETERMINANTS" MODEL

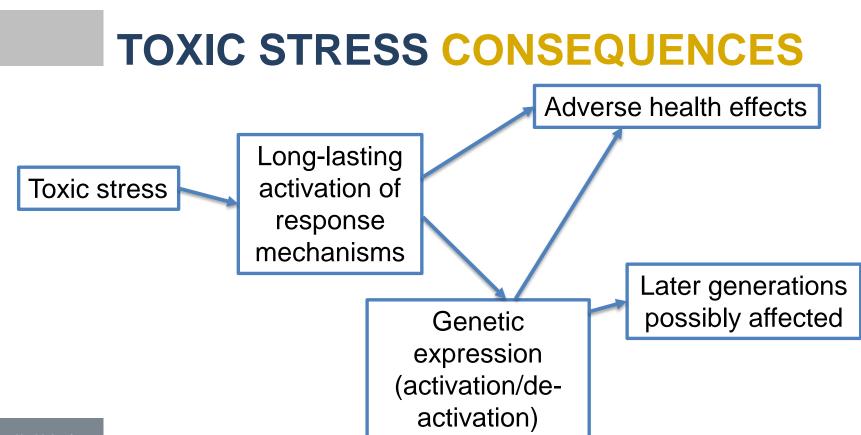




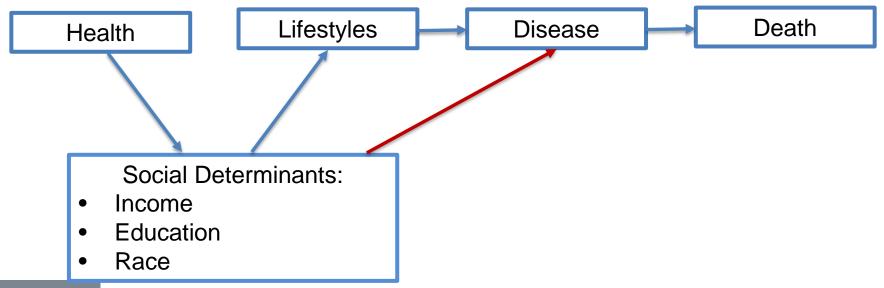
STRESS

Types of stress responses



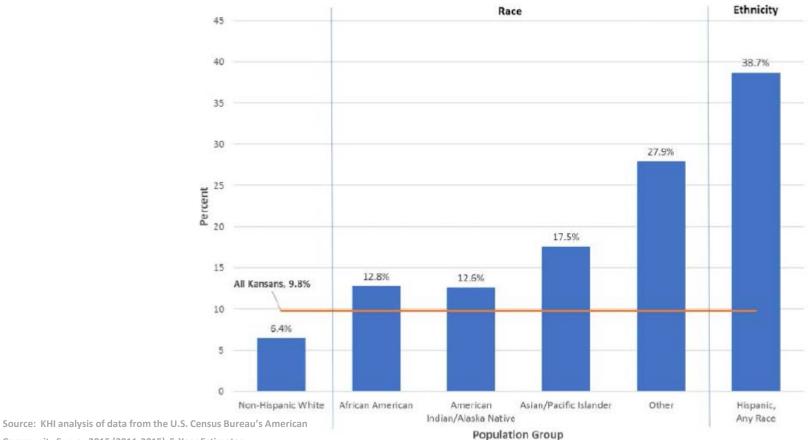


WHAT DO PEOPLE DIE FROM? "SOCIAL DETERMINANTS" MODEL, REVISITED



RACE, ETHNICITY AND HEALTH IN KANSAS

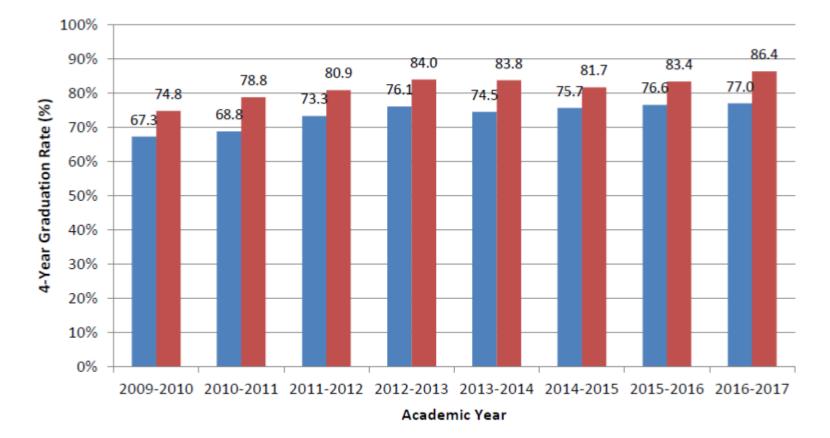
Figure 67. Percent of Adults Age 25 and Over with Less Than High School Education by Race/Ethnicity in Kansas, 2015



Community Survey 2015 (2011-2015) 5-Year Estimates.

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Figure 77. Four-Year Graduation Rate Among Hispanics by Academic Year and Gender in Kansas, 2009–2010 to 2016–2017



Poverty Rate by Race/Ethnicity in Kansas, 2015

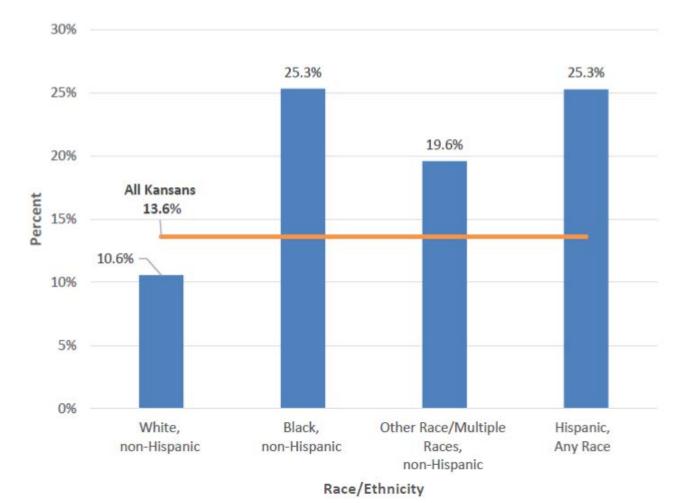
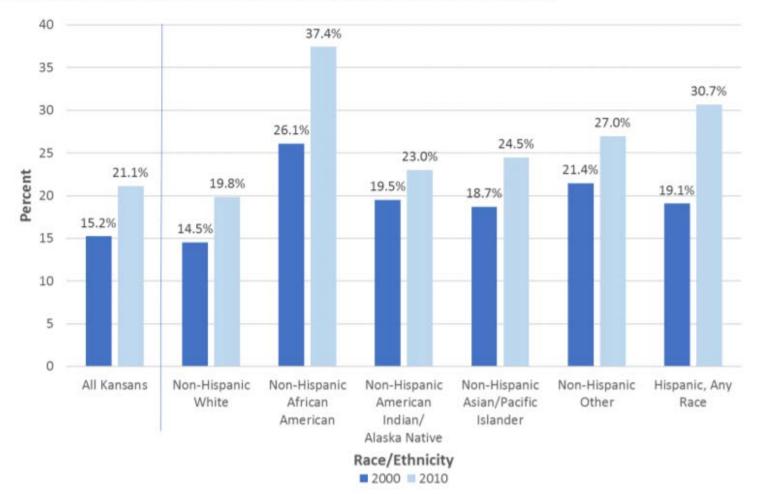
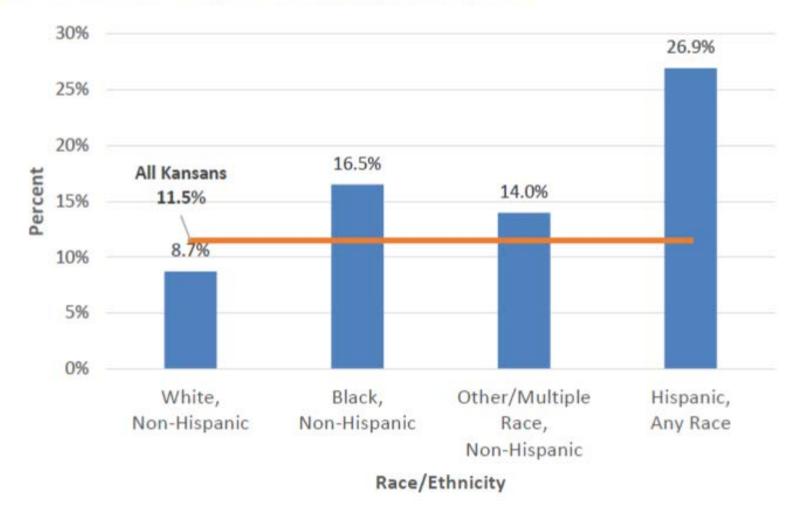
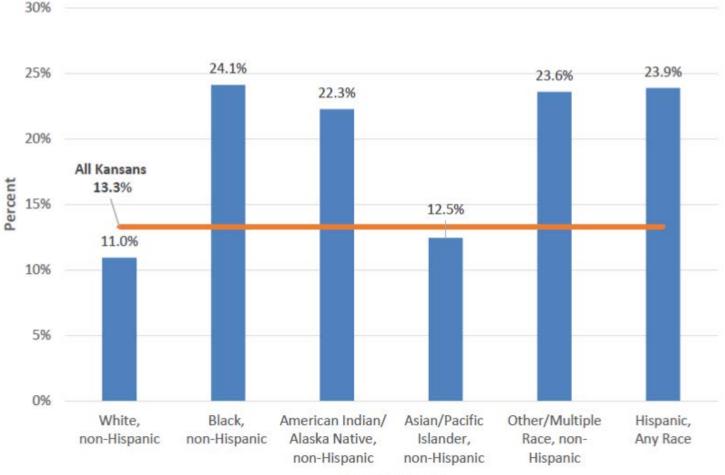


Figure 25. Percent of Owner-Occupied Households with Select Monthly Costs as 30 Percent (or Greater) of Their Income by Race/Ethnicity in Kansas, 2000 and 2010



Percent Uninsured by Race/Ethnicity in Kansas, 2015





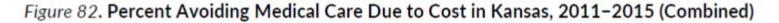
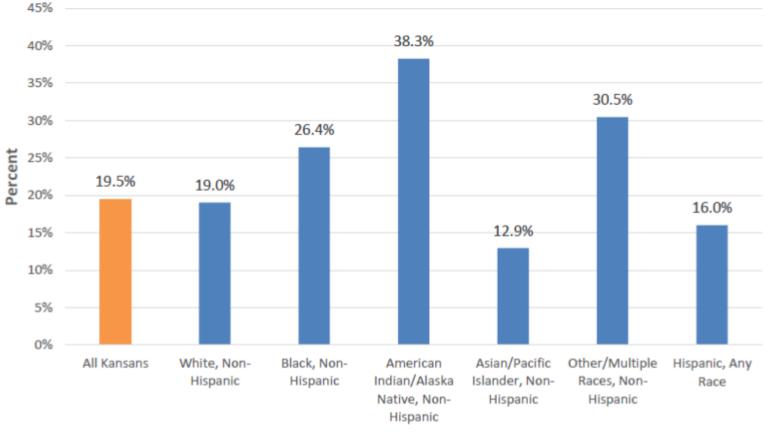
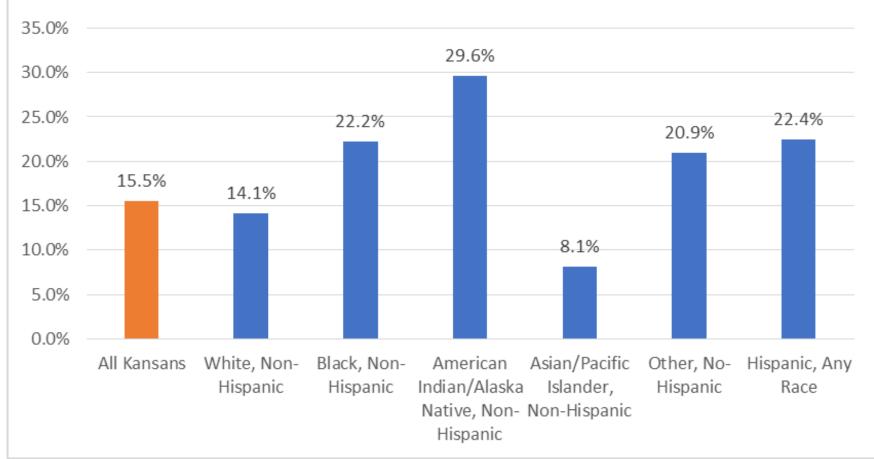


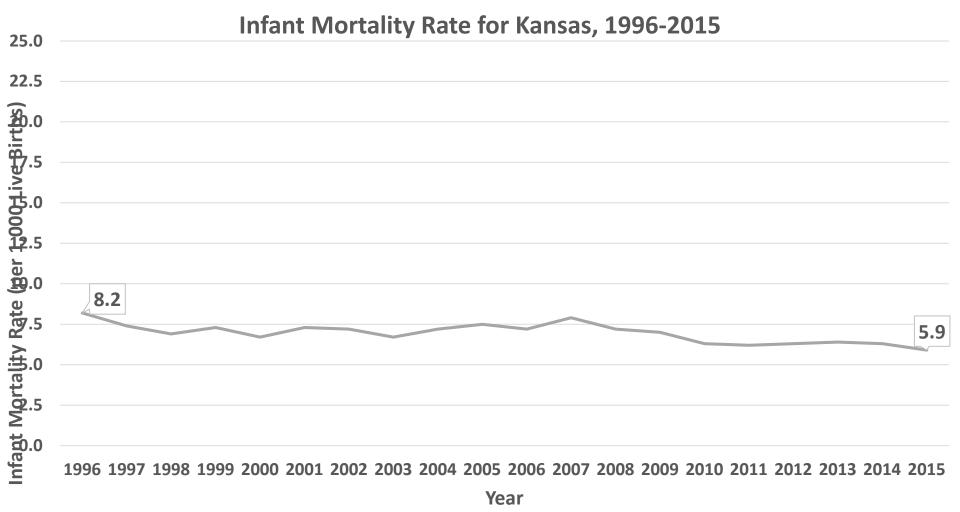
Figure 87. Percent of Adults Reporting Current Smoking by Race/Ethnicity in Kansas, 2011–2015 (Combined)



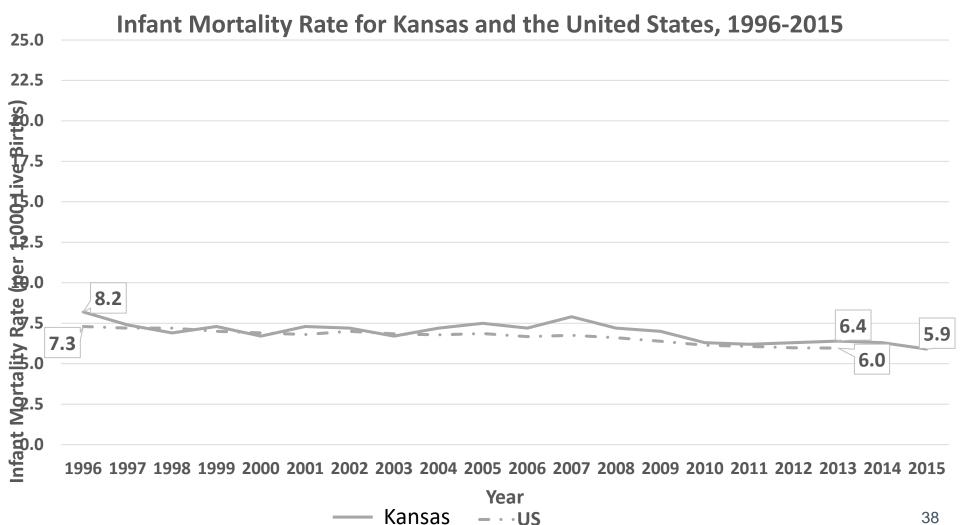
Race/Ethnicity

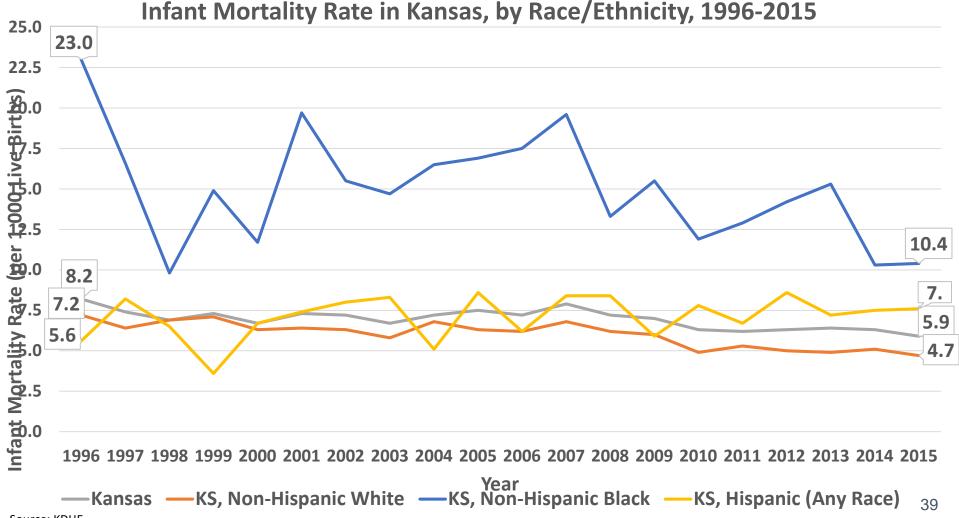
Percent of Adults Reporting Their Health as Fair or Poor by Race/Ethnicity in Kansas, 2011-2015 (Combined)



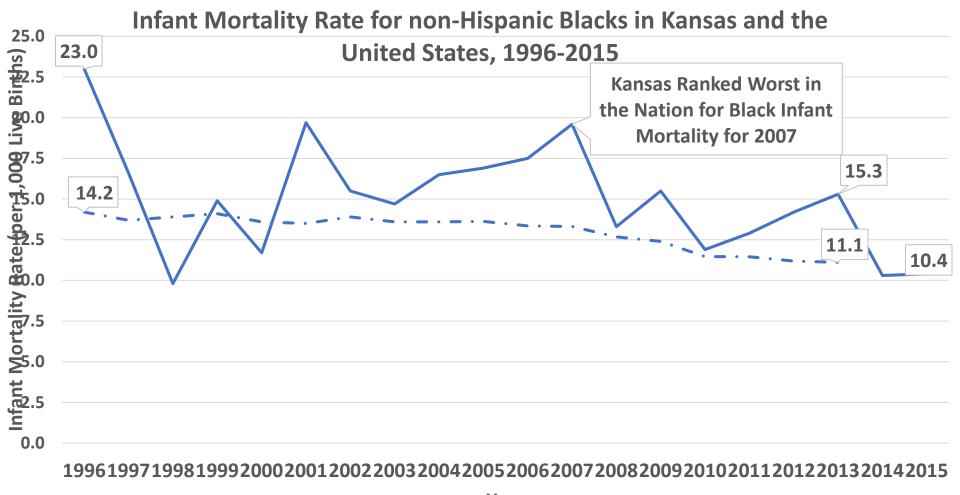


-Kansas





Source: KDHE



Source: NCHS, KDHE

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POPULATION IN KANSAS: RECENT CHANGES AND FUTURE PROJECTIONS

PARTNERS: KANSAS HEALTH FOUNDATION CENTER FOR ECONOMIC DEVELOPMENT AND BUSINESS RESEARCH, WICHITA STATE UNIVERSITY

Population Change in Kansas by Race/Ethnicity, between 2000 and 2016

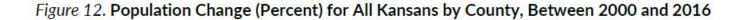
	Population	Population		
	2000	2016	Change in Pop.	% Change
All Kansans	2,688,418	2,907,289	218,871.00	8.1%

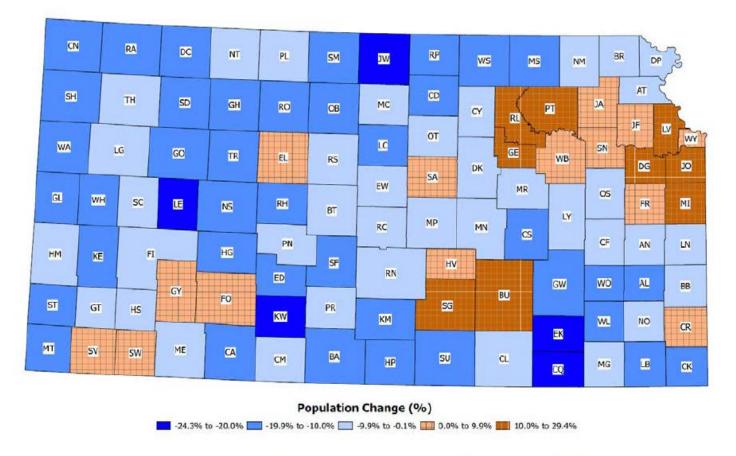
Population Change in Kansas by Race/Ethnicity, between 2000 and 2016

	Population	Population		
	2000	2016	Change in Pop.	% Change
All Kansans	2,688,418	2,907,289	218,871.00	8.1%
Non-Hispanic White	2,260,288	2,254,581	(5,707.00)	-0.3%
All Minorities	428,130	652,708	224,578.00	52.5%

Population Change in Kansas by Race/Ethnicity, between 2000 and 2016

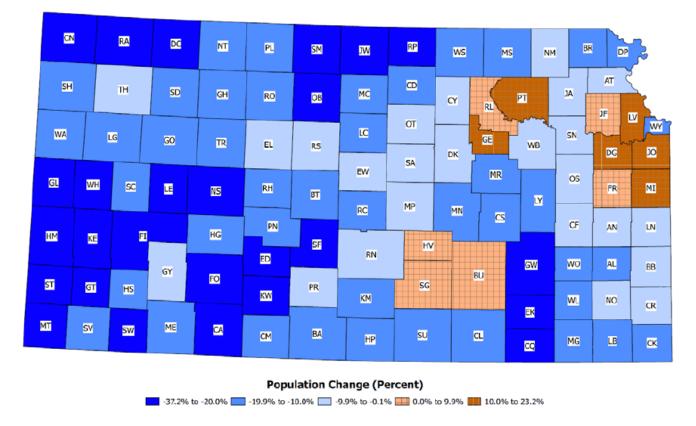
	Populatio	on Population		
	2000	2016	Change in Pop.	% Change
All Kansans	2,688,41	8 2,907,289	218,871.00	8.1%
Non-Hispanic White	2,260,28	8 2,254,581	(5,707.00)	-0.3%
All Minorities	428,13	0 652,708	224,578.00	52.5%
Non-Hispanic Black	161,76	6 192,710	30,944.00	19.1%
Non-Hispanic AI/AN	26,75	7 28,896	2,139.00	8.0%
Non-Hispanic Asian/P	l 51,35	5 92,621	41,266.00	80.4%
Hispanic, Any Race	188,25	2 338,481	150,229.00	79.8%





Source: KHI analysis of data from the National Center for Health Statistics' (NCHS) April 1, 2000 bridged-race population 45 estimates and the NCHS's June 2017 Vintage July 1, 2016 bridged-race population estimates.

Figure 13. Population Change (Percent) for Non-Hispanic White Kansans by County, Between 2000 and 2016



Source: KHI analysis of data from the National Center for Health Statistics' (NCHS) April 1, 2000 bridged-race population estimates and the NCHS's June 2017 Vintage July 1, 2016 bridged-race population estimates.

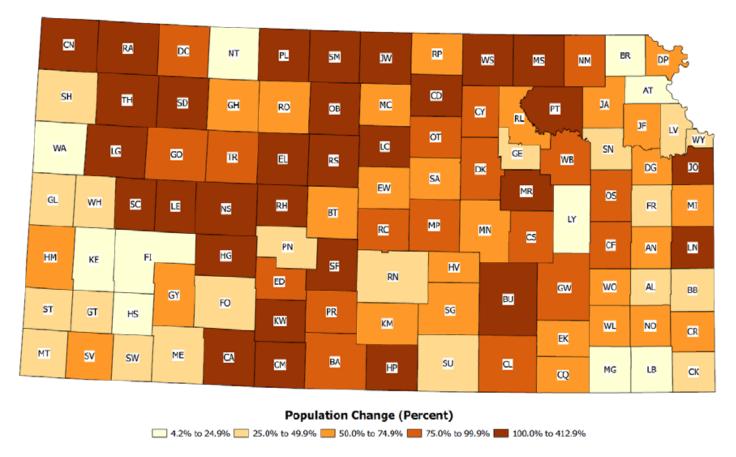
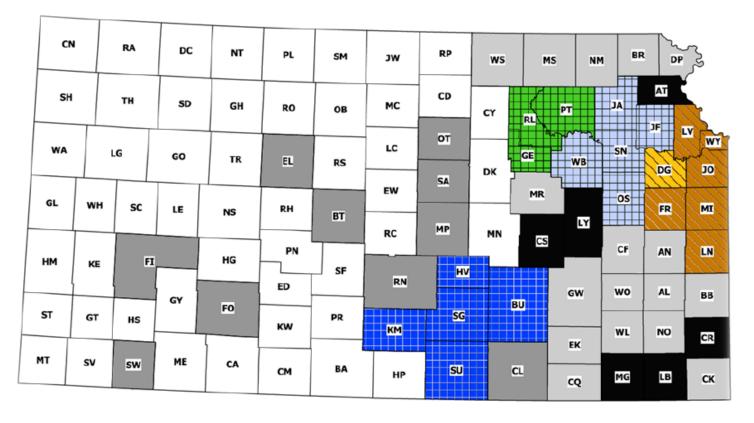


Figure 14. Population Change (Percent) for All Minorities by County, Between 2000 and 2016

Source: KHI analysis of data from the National Center for Health Statistics' (NCHS) April 1, 2000 bridged-race population estimates and the NCHS's June 2017 Vintage July 1, 2016 bridged-race population estimates.

Figure 15. Kansas Population Projection Regions

East Rural

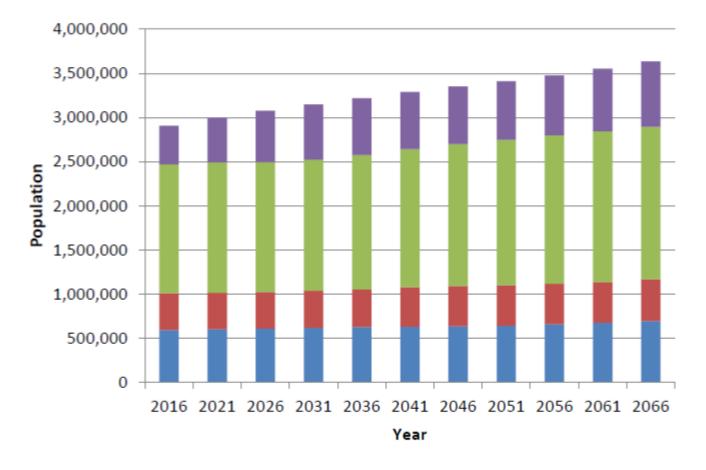


Projection Regions

🔲 East Micropolitan 📉 Kansas City MSA 🛄 Manhattan MSA 🥅 West Micropolitan 👥 Wichita MSA Lawrence MSA Topeka MSA West Rural

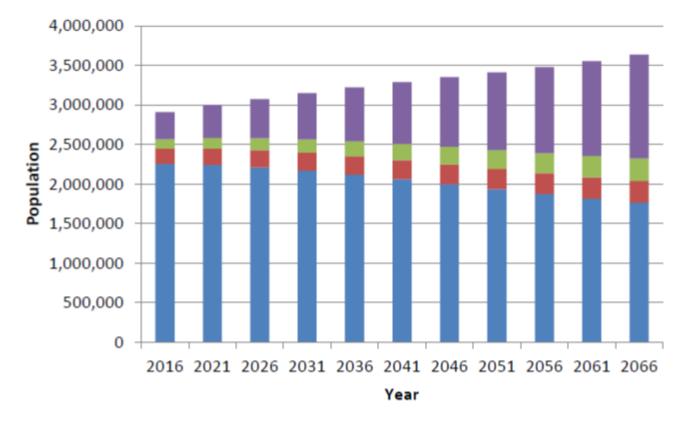
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Figure 22. Population Projections by Age Group in Kansas, 2016–2066



Age 14 and under 📕 Age 15 to 24 📕 Age 25 to 64 📕 Age 65 and over

Figure 23. Population Projections by Race/Ethnicity in Kansas, 2016–2066



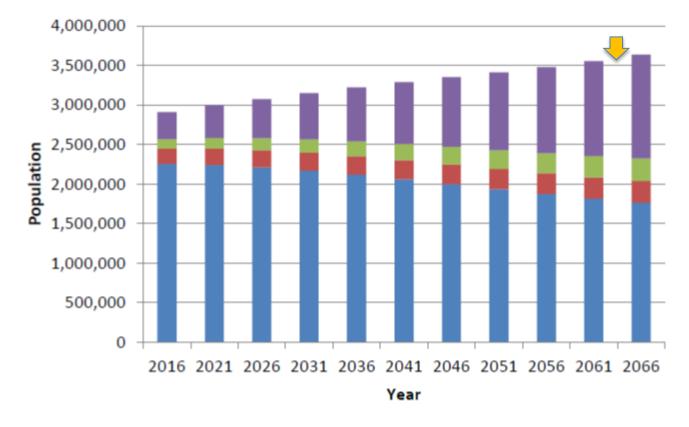
White, Non-Hispanic

Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic

Hispanic, Any Race

Figure 23. Population Projections by Race/Ethnicity in Kansas, 2016–2066



White, Non-Hispanic

Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic

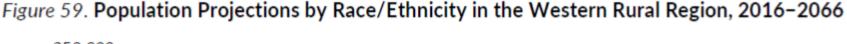
Hispanic, Any Race

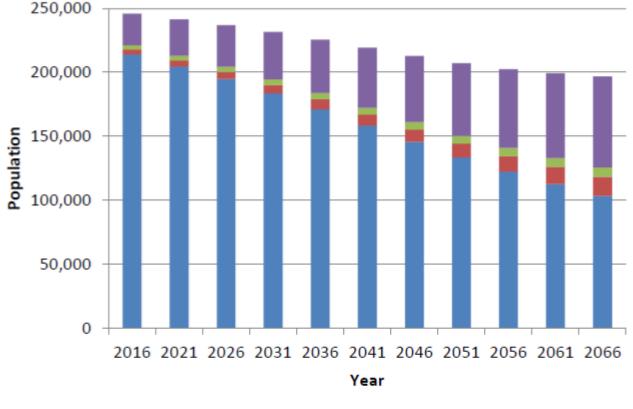
State-Level Projections

Figure 21. Population Projections by Total Population, Age Group and Race/Ethnicity in Kansas, 2016–2066

Kansas	2016	2036	2016–2036 % Change	2066	2016-2066 % Change
Total Population	2,907,289	3,220,161	10.8%	3,637,037	25.1%
Age Group					
Age 14 and under	595,053	627,855	5.5%	694,996	16.8%
Age 15 to 24	417,031	424,321	1.7%	472,809	13.4%
Age 25 to 64	1,458,212	1,523,208	4.5%	1,728,517	18.5%
Age 65 and over	436,993	644,778	47.5%	740,715	69.5%
Race/Ethnicity					
White, Non-Hispanic	2,254,581	2,118,722	-6.0%	1,765,981	-21.7%
Black, Non-Hispanic	192,710	235,597	22.3%	271,921	41.1%
Other/Multiple Races, Non-Hispanic	121,517	185,141	52.4%	289,622	138.3%
Hispanic, Any Race	338,481	680,701	101.1%	1,309,513	286.9%

Source: 2016 Kansas Population Projections by Race and Ethnicity, Center for Economic Development and Business Research at Wichita State University.





Note: The Western Rural Region consists of the following counties: BA, CN, CA, CY, CD, CM, DC, DK, ED, EW, GO, GH, GT, GY, GL, HM, HP, HS, HG, JW, KE, KW, LE, LC, LG, MN, ME, MC, MT, NS, NT, OB, PN, PL, PR, RA, RP, RC, RO, RH, RS, SC, SD, SH, SM, SF, ST, SV. TH, TR, WA and WH.

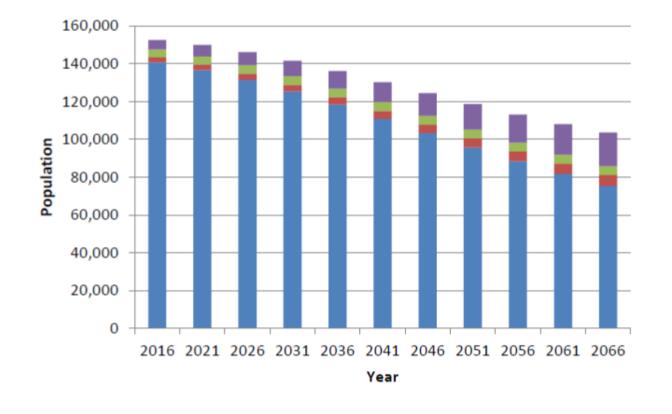
Source: 2016 Kansas Population Projections by Race and Ethnicity, Center for Economic Development and Business Research at Wichita State University.

White, Non-Hispanic

Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic
 Hispanic, Any Race

Figure 56. Population Projections by Race/Ethnicity in the Eastern Rural Region, 2016–2066



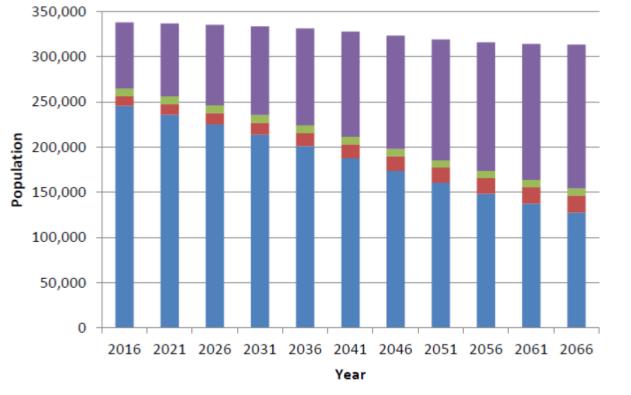
Note: The Eastern Rural Region consists of the following counties: AL, AN, BB, BR, CQ, CK, CF, DP, EK, GW, MS, MR, NM, NO, WS, WL and WO.

Source: 2016 Kansas Population Projections by Race and Ethnicity, Center for Economic Development and Business Research at Wichita State University.

White, Non-Hispanic
 Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic
 Hispanic, Any Race

Figure 53. Population Projections by Race/Ethnicity in the Western Micropolitan Region, 2016–2066



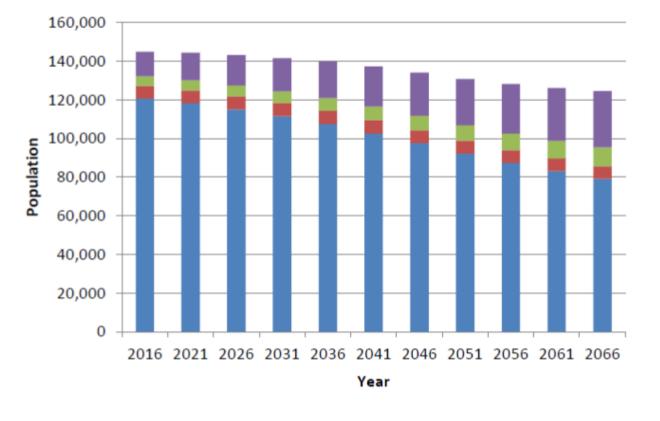
Note: The Western Micropolitan Region consists of the following counties: Barton, Cowley, Ellis, Finney, Ford, McPherson, Ottawa, Reno, Saline and Seward. Source: 2016 Kansas Population Projections by Race and Ethnicity. Center for Economic Development and Business Research at Wichita State University.

Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic
Hispanic, Any Race

White, Non-Hispanic

Figure 50. Projection Projections by Race/Ethnicity in the Eastern Micropolitan Region, 2016–2066



The Eastern Micropolitan Region consists of the following counties: Atchison, Chase, Crawford, Labette, Lyon and Montgomery. Chase County was included until January 2012.

Source: 2016 Kansas Population Projections by Race and Ethnicity, Center for Economic Development and Business Research at Wichita State University.

White, Non-Hispanic

Other/Multiple Races, Non-Hispanic

Black, Non-Hispanic
 Hispanic, Any Race



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