

## STATE PLAN EVALUATION

The evaluation plan for the Kansas Comprehensive Cancer Prevention and Control State Plan 2012-2016 is outlined below. Existing data sources, including, but not limited to, Kansas Vital Statistics, the Kansas Cancer Registry (KCR), the Kansas Behavioral Risk Factor Surveillance System (BRFSS), and the Kansas Youth Risk Behavior Survey (YRBS) will be routinely monitored to track progress of long-term (5-10 years) and intermediate (2-5 years) outcomes of the state plan. In addition, KCP workgroups will develop more focused evaluation plans to assess short-term outcomes ( $\leq 1$  year) related to activities addressing selected annual priority objectives.

**Table 2. Kansas Cancer Prevention and Control State Plan 2012-2016 Evaluation Plan**

Long-term Outcomes (5-10 years)				
State-level Indicator	Baseline (Year)	Five-Year Target	Data Source	Time Frame
<b>Mortality</b>				
Age-adjusted cancer mortality rate.	172.9 (2009)	164.2	Kansas Vital Statistics	Annually
Age-adjusted lung cancer mortality rate.	52.2 (2009)	49.6		
Age-adjusted female breast cancer mortality rate.	21.4 (2009)	20.3		
Age-adjusted cervical cancer mortality rate.	1.9 (2009)	1.8		
Age-adjusted colorectal cancer mortality rate.	15.4 (2009)	14.6		
Age-adjusted prostate cancer mortality rate.	19.7 (2009)	18.7		
Age-adjusted melanoma mortality rate.	3.1 (2009)	2.9		
<b>Incidence</b>				
Age-adjusted cancer incidence rate.	460.1 (2008)	437.1	Kansas Cancer Registry	Annually
Age-adjusted lung cancer incidence rate.	62.1 (2008)	59.0		
Age-adjusted female breast incidence rate.	120.3 (2008)	114.3		
Age-adjusted cervical cancer incidence rate.	5.6 (2008)	5.3		
Age-adjusted colorectal cancer incidence rate.	46.4 (2008)	44.1		
Age-adjusted prostate cancer incidence rate.	151.3 (2008)	143.7		
Age-adjusted melanoma incidence rate.	21.9 (2008)	20.8		

Intermediate-term Outcomes (2-5 years)				
State-level indicator	Baseline (Year)	Five-Year Target	Data Source	Time Frame
<b>Prevention</b>				
<b>Tobacco</b>				
Percent of adults who currently smoke.	17.0% (2010)	12%	BRFSS	Annually
Percent of adolescents who currently smoke.	14.4% (2011)	12%	YRBS	Biannually
Percent of male adults who currently use smokeless tobacco.	9.8% (2010)	8%	BRFSS	Annually
Percent of male adolescents who currently use smokeless tobacco.	14.1% (2011)	8%	YRBS	Biannually
<b>Human Papillomavirus (HPV)</b>				
Percent of adolescent females vaccinated with 3+ doses of HPV vaccine.	25.1% (2010)	40%	NIS-Teen	As available
Percent of adolescent males vaccinated with 3+ doses of HPV vaccine.	n/a	TBD	TBD	As available
<b>Physical Activity and Nutrition</b>				
Percent of adults who meet 2008 Physical Activity Guidelines of America.	64.1% (2009)	67%	BRFSS	Biannually
Percent of adolescents who meet 2008 Physical Activity Guidelines of America.	30.2% (2011)	35%	YRBS	Biannually
Percent of adults who consume fruits and vegetables $\geq 5$ times per day.	18.6% (2009)	20%	BRFSS	Biannually
Percent of adolescents who consume fruits $\geq 2$ and vegetables $\geq 3$ times per day.	8.1% (2011)	10%	YRBS	Biannually
<b>Ultraviolet (UV) Radiation</b>				
Proportion of adults who had sunburn within past year.	39.4% (2008)	37%	BRFSS	Biannually
<b>Radon</b>				
Percent of existing homes that have radon mitigation systems installed.	<1%	10%	KS Radiation Control Program	Annually
Number of cities that have adopted building codes requiring radon-resistant building techniques.	3	15	KS Radiation Control Program	Annually

Intermediate-term Outcomes (2-5 years) (Cont.)				
State-level indicator	Baseline (Year)	Five-Year Target	Data Source	Time Frame
<b>Early Detection and Diagnosis</b>				
Percent of adults age 50-74 years who have had an FOBT in past year, or a sigmoidoscopy in past 5 years plus FOBT in past 3 years, or a colonoscopy in past 10 years.	61.2% (2010)	65%	BRFSS	Biannually
Number of cancer centers that offer patient navigator support services per standards under development by ACOS.	TBD	TBD	ACOS	TBD
Percent of women age 40+ years who have had a mammogram in past two years.	76.0% (2010)	80%	BRFSS	Biannually
Percent of women aged 18+ years who have had a PAP test in past 3 years.	82.7% (2010)	87%	BRFSS	Biannually
Percent of high-risk individuals who have been screened for lung cancer.	TBD	TBD	BRFSS	TBD
Percent of men who have discussed with their health care provider whether or not to have a prostate-specific antigen (PSA) test to screen for prostate cancer.	TBD	TBD	BRFSS	TBD
Percent of adults with a family history of cancer who have discussed with their health care provider whether or not to receive genetic counseling.	TBD	TBD	BRFSS	TBD
Average time between initial visit with a suspicious finding to definitive diagnosis and treatment.	TBD	<30 days	TBD	TBD
<b>Treatment</b>				
<i>Palliative Care Services</i>				
Number of board certified palliative care physicians.	33 (2011)	TBD	AAHPM	Annually
Number of board certified palliative care nurses.	136 (2011)	TBD	NBCHPN	Annually
<i>Clinical Trials</i>				
Percent of adults who have had a health care provider ever talk to them about participating in a clinical trial.	3.7% (2007)	4%	BRFSS	Every 3 years
Among those who were ever diagnosed with cancer and whose health care provider ever talked to them about participating in a clinical trial, percent of adults enrolled in a cancer clinical trial.	32.5% (2007)	34%		

Intermediate-term Outcomes (2-5 years) (Cont.)				
State-level indicator	Baseline (Year)	Five-Year Target	Data Source	Time Frame
<b>Survivorship/Quality of Life</b>				
Among those who have ever been diagnosed with cancer, percent of adults who have reported that poor physical or mental health kept them from doing usual activities, such as self-care, work, or recreation, on 14 or more of the past 30 days.	20.2% (2009)	19%	BRFSS	Every 3 years
Number of cancer centers that work together with patients to develop a comprehensive care summary and follow-up plan after completing treatment.	TBD	TBD	TBD	TBD
Average hospice days per cancer patient in Kansas during the last month of life.	~10	≥14	Dartmouth Atlas of Health Care	Every 3 years

