

## **Utah Health Status Update:**

Environmental Determinants of Physical Health and Obesity

April 2013

Individuals who exercise regularly receive tangible health benefits, including benefits to the musculoskeletal, metabolic, endocrine, and immune systems, and a decreased risk for heart disease, diabetes, and some cancers. These benefits are relevant in both the short- and long-term. Many ailments experienced by older adults can be ameliorated by lifelong regular physical activity, and health problems resulting from a sedentary lifestyle are being seen in younger adults and even children.<sup>1</sup>

Healthy People 2020 includes the following goals for physical activity:

Adults: Increase the proportion of adults who engage in aerobic physical activity of at least moderate intensity for at least 150 minutes/week, or 75 minutes/week of vigorous intensity, or an equivalent combination. (PA-2.1)

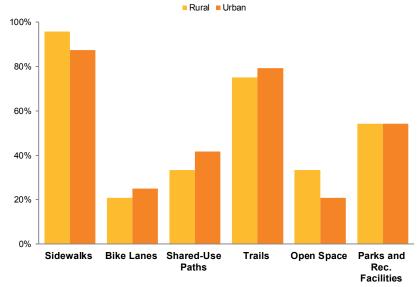
Children and adolescents: Increase the proportion of adolescents who meet current Federal physical activity guidelines for aerobic physical activity (PA-3). Children and adolescents should get 60 minutes or more of physical activity daily, most of which should be either moderate- or vigorous-intensity aerobic activity.<sup>2</sup>

Individuals' type, intensity, and duration of physical activity are all impacted by the environments where they live, work, and play. Physical activity is impacted by availability and perceptions of recreational equipment, the distance a person lives from recreational areas, traffic safety, and the existence and quality of sidewalks, bike lanes, and controlled street crossings.<sup>3-4</sup>

- Physically active individuals receive short- and long-term health benefits.
- The environments where a person lives, works, and plays impacts how they exercise.
- In 2011, the UDOH and Metro Analytics created and distributed the Utah Bicycle & Pedestrian Master Plan Design Guide as a resource for city planners.

## **Active Transport Policies**

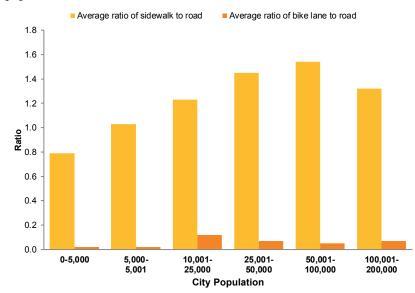
*Figure 1.* Percentage of cities with active transport policies, rural and urban cities, Utah, 2009



Source: Metro Analytics, 2009. 2009 Inventory of ACE Criteria for the State of Utah – Final Report

### Sidewalks and Bike Lanes

*Figure 2.* Average ratio of sidewalks and bike lanes to paved roads in cities, by population size, Utah, 2009



Source: Metro Analytics, 2009. 2009 Inventory of ACE Criteria for the State of Utah – Final Report

In 2009, 79 Utah cities reported their active transport policies (Figure 1): nearly every city addressed sidewalks (95.8% of rural cities; 87.5% of urban cities) and trails (75.0% rural; 79.2% urban). Far fewer cities addressed parks and recreation facilities (54.2% rural; 54.2% urban), shared-use paths

(33.3% rural; 41.7% urban), or bike lanes (20.8% rural; 25.0% urban). Urban cities had a higher ratio of miles of sidewalk to miles of paved roads (1.25 miles of sidewalk per mile of paved road, meaning some roads have sidewalk on both sides) as compared to rural cities (1.03) (Figure 2). The ratio for miles of bike lanes per mile of paved roads was similarly higher in urban areas (.06 miles of bike lane per mile of paved road in urban cities, compared to .02 in rural cities).

In 2011, the Utah Department of Health and Metro Analytics created the Utah Bicycle & Pedestrian Master Plan Design Guide as a resource for city planners.<sup>5</sup> Each planner in the state received a copy of this guide and a survey about their intentions for addressing active transportation (Figure 3). Of the 54 respondents, 55.6% planned to pursue policies to address active transportation in their cities within the next 6 to 12 months. A smaller proportion, 26.9%, planned to actually make environmental changes within the next 6 to 12 months, while 94.3% of respondents planned to share this guide with their coworkers.

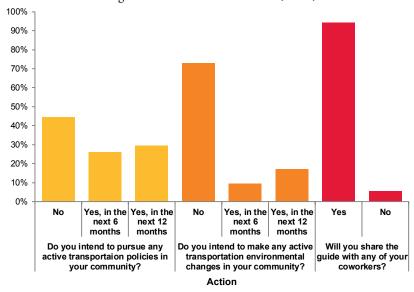
On the 2011 Behavioral Risk Factor Surveillance System survey, respondents were asked whether their neighborhoods had sidewalks and whether they would like more sidewalks, if possible (Figure 4). While most respondents had sidewalks (only 17.9% of total respondents had no sidewalks in their neighborhoods), 45.8% of respondents said they would like more sidewalks. These findings suggest that if planners make environmental changes to promote active transport, individuals would likely use them.

#### References

- Surgeon General's Report on Physical Activity and Health. <a href="http://www.cdc.gov/nccdphp/sgr/pdf/execsumm.pdf">http://www.cdc.gov/nccdphp/sgr/pdf/execsumm.pdf</a>
- 2. 2008 Physical Activity Guidelines for Americans. http://www.health.gov/paguidelines/guidelines/ chapter3.aspx
- 3. Timperio, A., Crawford, D., Telford, A., & Salmon, J. (2004). Perceptions about the local neighborhood and walking and cycling among children. Preventive Medicine, 38, 39 47.
- Boarnet, M. G., Anderson, C. L., Day, K., McMillan, T., & Alfonzo, M. (2005). Evaluation of the California Safe Routes to School legislation: Urban form changes and children's active transportation to school. American Journal of Preventive Medicine, 28(2), 134-140.

## **City Planner's Intentions to Act**

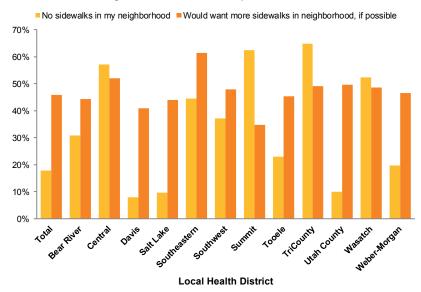
Figure 3. Percent of city planners intending to act on the Utah Bicycle & Pedestrian Master Plan Design Guide in the next 12 months, Utah, 2011



Source: Utah Department of Health, City Planner Intention Survey, 2011.

## **Neighborhood Sidewalks**

*Figure 4.* Percentage of respondents with no neighborhood sidewalks and who would like more neighborhood sidewalks, by local health district, Utah, 2011



Source: Utah Behavioral Risk Factor Surveillance System, 2011

5. Utah Bicycle & Pedestrian Master Plan Guide. <a href="http://health.utah.gov/obesity/documents/Utah%20Bike%20Ped%20Guide.pdf">http://health.utah.gov/obesity/documents/Utah%20Bike%20Ped%20Guide.pdf</a>

## April 2013 Utah Health Status Update

For additional information about this topic, contact Julia Shumway, Bureau of Health Promotion Epidemiologist, Utah Department of Health, Salt Lake City, UT, (801) 538-6387, email: juliashumway@utah.gov, or visit the Office of Public Health Assessment, Utah Department of Health, Box 142101, Salt Lake City, UT 84114-2101, (801) 538-9191, email: chdata@utah.gov

## Spotlights for April 2013

#### **Breaking News, April 2013**

#### **Reducing Utah Medicaid Costs for Preterm Birth**

Utah has joined a challenge by the Association of State and Territorial Health Officers and the March of Dimes to reduce the rate of preterm births (PTB) by eight percent by 2014. This would amount to preventing approximately 600 PTBs. To examine the costs of early care for PTBs to the Utah Medicaid program, we've reviewed Utah's Fee for Service (FFS) Medicaid claims data. These data include only newborn hospitalization claims billed directly to Medicaid and does not include costs for clients enrolled in managed care organizations. The average cost per preterm infant (DRGs 790-792) was \$22,807 versus \$1,477 for a full term newborn (DRGs 793, 795). The total amount reimbursed by FFS Medicaid for PTBs during 2009-2011 was \$39,707,843, an average of more than \$13.2 million per year. Preventing PTBs in Utah could result in cost savings to our state.

At a recent Prematurity Summit in Utah, stakeholders in perinatal healthcare from across the state identified four evidence-based strategies to prevent PTBs in Utah. They include: 1) Optimization of inter-pregnancy interval; 2) Early identification of high-risk pregnant women and implementation of evidence-based protocols to provide optimal care; 3) Increasing the appropriate intervention of progesterone supplementation during high-risk-for-PTB pregnancies to reduce recurrent PTBs; and 4) Increasing single embryo

transfers for in vitro fertilization (IVF) to reduce selective multiple gestations and resultant PTBs

Reducing the number of preterm births by implementing these strategies could result in fewer preterm babies and reduce the associated costs for Medicaid and other insurers.

# Utah Medicaid Fee For Service Claims Data 2009-2011 by Diagnosis Related Group\*

DRG Code	# of Infants	Cost Per Infant*	Total Cost
790 - Extreme Immaturity	612	\$43,132	\$26,396,784
791 - Prematurity with Major Problems	413	\$18,803	\$7,765,639
792 - Prematurity without Major Problems	716	\$7,745	\$5,545,420
793 - Full Term Neonate with Major Problems	1,159	\$7,923	\$9,182,757
795 - Normal Newborn	14,821	\$973	\$14,420,833

<sup>\*</sup>Fee for service cost data excluding claims paid by a third party payer

#### **Community Health Indicators Spotlight, April 2013**

#### Utah's Health Care Safety Net - 2013

Utah's Health Care Safety Net serves an important role in providing health care to Utah's underserved and uninsured populations. Safety Net members include medical and dental providers, mental health providers, and advocacy groups. Our goal at UDOH is to help make Utah citizens the healthiest people in the country. The Safety Net is just one way the UDOH promotes healthy living. Providing our citizens with access to appropriate and essential health care is one of our top priorities. We believe that when people have good information they will be able to make good choices about their health care. We want to be sure that, with all the talk about health care reform, an individual's health is the key concern.

The Institute of Medicine's 2000 report, *America's Health Care Safety Net: Intact But Endangered*, defines "core safety net providers" as having two distinguishing characteristics: (1) By legal mandate or explicitly adopted mission, they maintain an "open door," offering patients access to services regardless of their ability to pay; and (2) A substantial share of their patient mix is uninsured, Medicaid, and other vulnerable patients.

The Utah Department of Health hosts Health Care Safety Net Summits in Salt Lake City twice a year. Both rural and urban Safety Net providers from throughout the state meet to discuss issues and initiatives pertinent to the medical, dental, and mental health of Utah's vulnerable populations.

# Monthly Health Indicators Report (Data Through February 2013)

Monthly Report of Notifiable Diseases, February 2013	Current Month # Cases	Current Month # Expected Cases (5-yr average)	# Cases YTD	# Expected YTD (5-yr average)	YTD Standard Morbidity Ratio (obs/exp)
Campylobacteriosis (Campylobacter)	30	18	62	38.4	1.6
Shiga toxin-producing Escherichia coli (E. coli)	2	2	6	5	1.2
Hepatitis A (infectious hepatitis)	0	0.6	0	1.6	0.0
Hepatitis B, acute infections (serum hepatitis)	0	1.6	0	2.8	0.0
Influenza*	Weekly updates at http://health.utah.gov/epi/diseases/flu				
Meningococcal Disease	0	0.8	0	1.2	0.0
Pertussis (Whooping Cough)	25	45.6	93	86.4	1.1
Salmonellosis (Salmonella)	11	15.6	23	37.2	0.6
Shigellosis (Shigella)	2	1.4	3	3.8	0.8
Varicella (Chickenpox)	25	58.6	50	120.4	0.4
	Current Quarter # Cases	Current Quarter # Expected Cases (5-yr average)	Cases YTD	# Expected YTD (5-yr average)	YTD Standard Morbidity Ratio (obs/exp)
Quarterly Report of Notifiable Diseases, 4th Qtr 2012	Current # Cases	Curre # Exp (5-yr	# Ca	# Exp (5-yr	YTD Star Morbidity (obs/exp)
	Curre # Cas	Curre # Exp (5-yr		# Exp (5-yr	YTD 8 Morbi
Diseases, 4th Qtr 2012		Q # Q	#	# (5	,
Diseases, 4th Qtr 2012 HIV/AIDS†	2	29	<b>#</b> 72	# <b>'S</b>	0.6
Diseases, 4th Qtr 2012 HIV/AIDS† Chlamydia	2 1,678	29 1,639	72 7,474	# <b>6</b> 111 6,333	0.6
Diseases, 4th Qtr 2012 HIV/AIDS† Chlamydia Gonorrhea	2 1,678 133	29 1,639 107	72 7,474 461	# <b>5</b> 111 6,333 445	0.6 1.2 1.0
Diseases, 4th Qtr 2012 HIV/AIDS† Chlamydia Gonorrhea Syphilis	2 1,678 133 14	29 1,639 107 8	72 7,474 461 35	# <b>5</b> 111 6,333 445 31	0.6 1.2 1.0 1.1
Diseases, 4th Qtr 2012  HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013  Capitated Mental Health	2 1,678 133 14 6 <b>Wouth</b>	29 1,639 107 8 8 8 8 100 107 8 8 8 107 107 108 109 109 109 109 109 109 109 109 109 109	72 7,474 461 35 37	# (2) # (111	0.6 1.2 1.0 1.1 1.2 pnqddet (nuder) 2.3
Diseases, 4th Qtr 2012 HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013	2 1,678 133 14 6	Expected/ Budgeted/ Budgeted/ 8 8 8 8 8	72 7,474 461 35 37	# (2) 111 6,333 445 31 31 **Page 144 **Seal ALD **Seal	0.6 1.2 1.0 1.1 1.2  pnqddet (nuder) \$ 2.3 \$ (29.7)
Diseases, 4th Qtr 2012  HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013  Capitated Mental Health	2 1,678 133 14 6 <b>Wourth</b> \$ 13.6 \$ 11.8 \$ 4.7	29 1,639 107 8 8 8 8 12.1 \$ 38.9 \$ 5.0	72 7,474 461 35 37	# 6,333 445 31 31 **Example 14	0.6 1.2 1.0 1.1 1.2  Auriance  Auriance  \$ 2.3 \$ (29.7) \$ (16.6)
Diseases, 4th Qtr 2012  HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013  Capitated Mental Health Inpatient Hospital	2 1,678 133 14 6 <b>Wouth</b> \$ 13.6 \$ 11.8	29 1,639 107 8 8 8 107 8 12.1 \$ 38.9	72 7,474 461 35 37  Light Street    \$ 92.0 \$ 190.4 \$ 44.3 \$ 105.0	111 6,333 445 31 31 31 ***Parameter	0.6 1.2 1.0 1.1 1.2 over (nuder) pnqddet \$ 2.3 \$ (29.7)
Diseases, 4th Qtr 2012  HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013 Capitated Mental Health Inpatient Hospital Outpatient Hospital	2 1,678 133 14 6 6 <b>wuth Would be seen as a se</b>	29 1,639 107 8 8 8 8 100 107 8 8 8 100 107 8 100 107 108 108 108 108 108 108 108 108 108 108	72 7,474 461 35 37  CALL  S 92.0 \$ 190.4 \$ 44.3	111 6,333 445 31 31  ****Call All Properties**  ****Second Second	0.6 1.2 1.0 1.1 1.2  Auriance  Auriance  \$ 2.3 \$ (29.7) \$ (16.6)
Diseases, 4th Qtr 2012  HIV/AIDS† Chlamydia Gonorrhea Syphilis Tuberculosis  Medicaid Expenditures (in Millions) for the Month of February 2013  Capitated Mental Health Inpatient Hospital Outpatient Hospital Long Term Care	2 1,678 133 14 6 <b>Wouth</b> \$ 13.6 \$ 11.8 \$ 4.7 \$ 13.0	29 1,639 107 8 8 8 8 12.1 \$ 38.9 \$ 5.0 \$ 18.1	72 7,474 461 35 37  Light Street    \$ 92.0 \$ 190.4 \$ 44.3 \$ 105.0	111 6,333 445 31 31 31 ***Parameter	0.6 1.2 1.0 1.1 1.2

Program Enrollment for the Month of February 2013	Current Month	Previous Month	% Change¶ From Previous Month	1 Year Ago	% Change¶ From 1 Year Ago
Medicaid	259,786	258,904	+0.3%	252,822	+2.8%
PCN (Primary Care Network)	11,627	11,841	-1.8%	13,269	-12.4%
CHIP (Children's Health Ins. Plan)	35,216	35,254	-0.1%	37,061	-5.0%
		Annual Vi	Annual Charges		
Health Care System Measures	Number of Events	Rate per 100 Population	% Change¶ From Previous Year	Total Charges in Millions	% Change¶ From Previous Year
Overall Hospitalizations (2011)	280,830	9.3%	+0.8%	\$ 5,818.8	+7.4%
Non-maternity Hospitalizations (2011)	175,847	5.7%	+3.8%	\$ 4,909.9	+7.9%
ED Encounters - Not Admitted (2010)	645,962	22.1%	-7.8%	\$ 1,160.9	+7.4%
Outpatient Surgery (2009)	311,442	10.9%	+1.2%	\$ 1,465.7	+14.7%
Annual Community Health Measures	Current Data Year	Number Affected	Percent/ Rate	% Change¶ From Previous Year	State Rank# (1 is best)
Obesity (Adults 18+)					0, E
Obesity (Addits 187)	2011	472,400	24.4%	+1.3%	12 (2011)
Cigarette Smoking (Adults 18+)	2011 2011	472,400 229,300	24.4% 11.8%		
* ` '	-			+1.3%	12 (2011)
Cigarette Smoking (Adults 18+)	2011	229,300	11.8%	+1.3% +2.7%	12 (2011) 1 (2011)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+)	2011	229,300 147,400	11.8% 56.9%	+1.3% +2.7% -15.5%	12 (2011) 1 (2011) 41 (2011)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured)	2011 2011 2011	229,300 147,400 377,700	11.8% 56.9% 13.4%	+1.3% +2.7% -15.5% +26.4%	12 (2011) 1 (2011) 41 (2011) n/a
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths	2011 2011 2011 2010	229,300 147,400 377,700 231	11.8% 56.9% 13.4% 8.1 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths	2011 2011 2011 2010 2010	229,300 147,400 377,700 231 342	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths	2011 2011 2011 2010 2010 2010	229,300 147,400 377,700 231 342 479	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+)	2011 2011 2011 2010 2010 2010 2011	229,300 147,400 377,700 231 342 479 129,600	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7%	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+) Poor Mental Health (Adults 18+)	2011 2011 2011 2010 2010 2010 2011 2011	229,300 147,400 377,700 231 342 479 129,600 315,300	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7% 16.3%	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8% -0.4%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011) 17 (2011)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+) Poor Mental Health (Adults 18+) Coronary Heart Disease Deaths	2011 2011 2011 2010 2010 2010 2011 2011	229,300 147,400 377,700 231 342 479 129,600 315,300 1,488	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7% 16.3% 52.2 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8% -0.4%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011) 17 (2011) 2 (2008)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+) Poor Mental Health (Adults 18+) Coronary Heart Disease Deaths All Cancer Deaths	2011 2011 2010 2010 2010 2010 2011 2011	229,300 147,400 377,700 231 342 479 129,600 315,300 1,488 2,791	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7% 16.3% 52.2 / 100,000 98.0 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8% -0.4% -0.4% +7.9%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011) 17 (2011) 2 (2008) 1 (2008)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+) Poor Mental Health (Adults 18+) Coronary Heart Disease Deaths All Cancer Deaths Stroke Deaths	2011 2011 2010 2010 2010 2010 2011 2011	229,300 147,400 377,700 231 342 479 129,600 315,300 1,488 2,791 736	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7% 16.3% 52.2 / 100,000 98.0 / 100,000 25.8 / 100,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8% -0.4% +7.9% -1.4%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011) 17 (2011) 2 (2008) 1 (2008) 13 (2008)
Cigarette Smoking (Adults 18+) Influenza Immunization (Adults 65+) Health Insurance Coverage (Uninsured) Motor Vehicle Traffic Crash Injury Deaths Poisoning Deaths Suicide Deaths Diabetes Prevalence (Adults 18+) Poor Mental Health (Adults 18+) Coronary Heart Disease Deaths All Cancer Deaths Stroke Deaths Births to Adolescents (Ages 15-17)	2011 2011 2010 2010 2010 2010 2011 2011	229,300 147,400 377,700 231 342 479 129,600 315,300 1,488 2,791 736 876	11.8% 56.9% 13.4% 8.1 / 100,000 12.0 / 100,000 16.8 / 100,000 6.7% 16.3% 52.2 / 100,000 98.0 / 100,000 25.8 / 100,000 14.3 / 1,000	+1.3% +2.7% -15.5% +26.4% +0.1% -38.1% +5.8% -1.8% -0.4% +7.9% -1.4% -13.2%	12 (2011) 1 (2011) 41 (2011) n/a 19 (2009) 47 (2009) n/a 6 (2011) 17 (2011) 2 (2008) 1 (2008) 13 (2008) 17 (2009)

<sup>†</sup> Diagnosed HIV infections, regardless of AIDS diagnosis.

Notes: Data for notifiable diseases are preliminary and subject to change upon the completion of ongoing disease investigations. Active surveillance for West Nile virus has ended until the 2013 season.

<sup>‡</sup> Budget has been revised to include supplemental funding from 2011 General Session.

<sup>§</sup> Includes only the gross pharmacy costs. Pharmacy Rebate and Pharmacy Part D amounts are excluded from this line item.

<sup>¶ %</sup> Change could be due to random variation.

<sup>#</sup> State rank based on age-adjusted rates.