

Duke LifePoint Healthcare

Community Health Needs Assessment

Carroll and Grayson Counties and Galax City, Virginia

January 23, 2014





Stratasan

Community Health Summit Agenda

Welcome Jon Applebaum, CEO

State Health Initiatives Vicky Richardson, Health Dept

Data Analysis/Focus Group/Interview

Summary Lee Ann Lambdin, Stratasan

Community Health Indicators Stephanie Bailey, MD, Stratasan

Exercise I All

Break

Exercise 2 All

Summary Jon Applebaum, CEO

Jon Applebaum, CEO Twin County Regional Hospital

Vicky Richardson, Virginia Department of Health

Lee Ann Lambdin VP Strategy, Stratasan

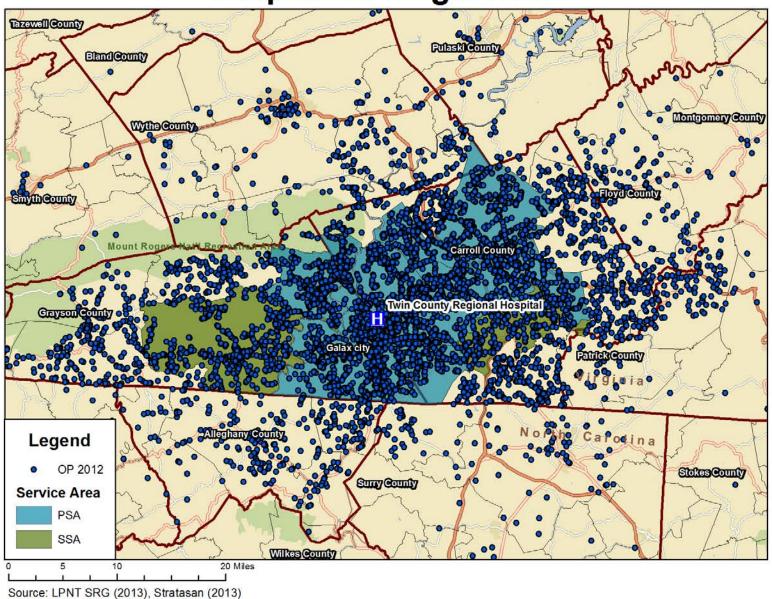


Data Analysis

DEMOGRAPHICS



Twin County Regional Hospital Outpatient Origin 2012



Source: LPN1 SRG (2013), Stratasan (201

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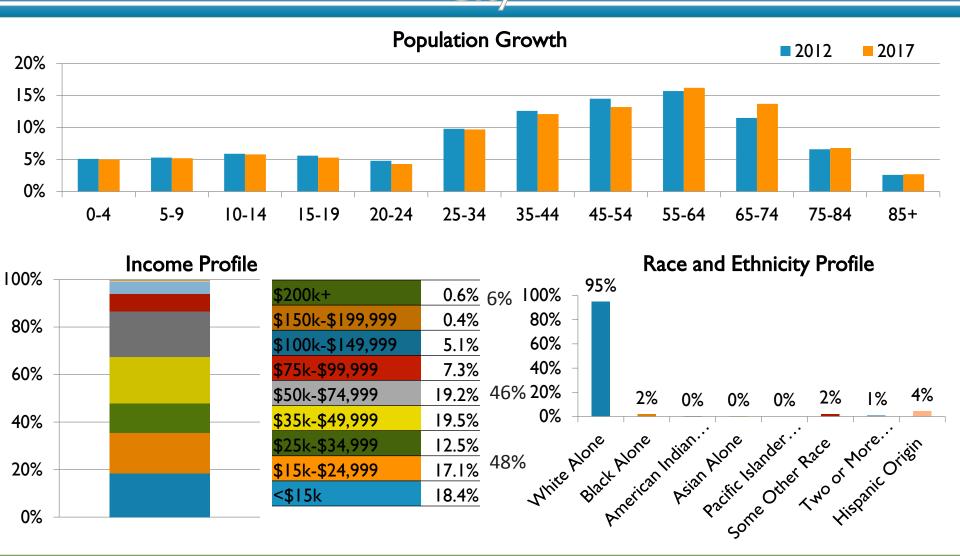
Demographic Dashboard

Category	Carroll Co.	Grayson Co.	Galax City,VA	Virginia	USA
Population (2012)	30,185	15,578	7,047	8,142,122	313,129,017
Median Age (2012)	45.3	47.4	42.9	37.6	37.3
Median Household Income (2012)	\$37,141	\$35,245	\$31,947	\$58,369	\$50,157
Annual Pop. Growth (2012-17)	0.1%	-0.5%	-0.2%	0.9%	0.7%
Household Population (2012)	12,844	6,826	2,926	3,106,762	118,208,713
Dominant Tanastmy (2012)	42 – Southern	46 – Rooted	56 – Rural		12 – Up and
Dominant Tapestry (2012)	Satellites	Rural	Bypasses	4 - Boomburbs	Coming Families
Business (2011)	1,521	803	572	465,383	12,239,616
Employees (2011)	6,935	3,260	4,985	3,398,581	146,234,698
Medical Care Index*	79	81	74	122	100
Average Health Expenditures (2011)	\$3,269	\$3,351	\$3,090	\$5,138	\$3,611
Total Health Expenditures (2011)	\$41,987,820	\$22,875,761	\$9,041,777	\$15,963,604,095	\$424,173,676,593

^{*}The Medical Care Index is household-based, and represents the amount spent out of pocket for medical services relative to a national average of 100.



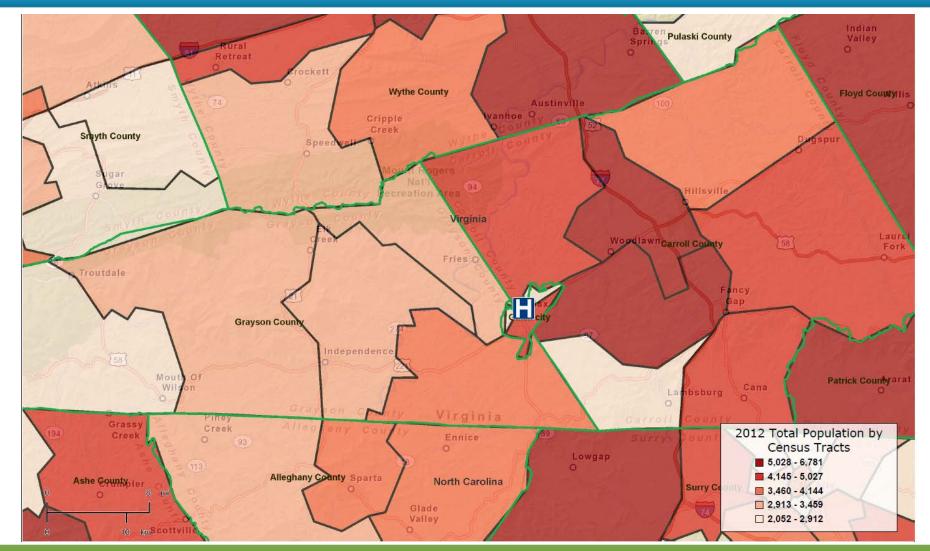
Demographics— Grayson, Carroll Counties and Galax City







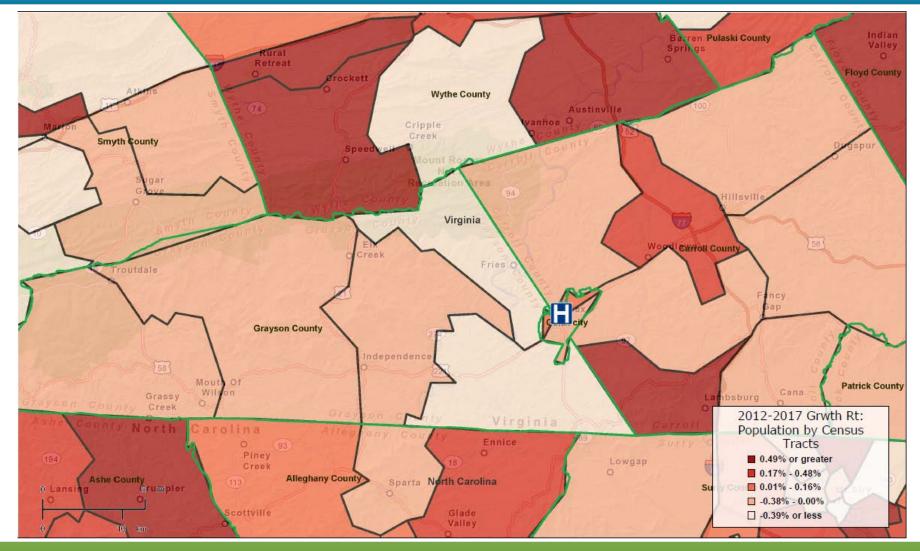
2012 Population by Census Tract







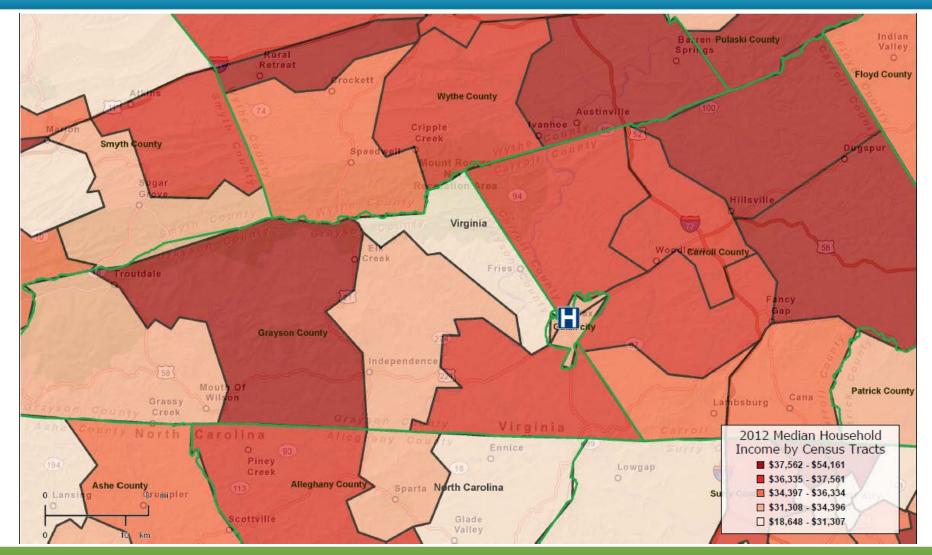
2012-2017 Population Growth Per Year







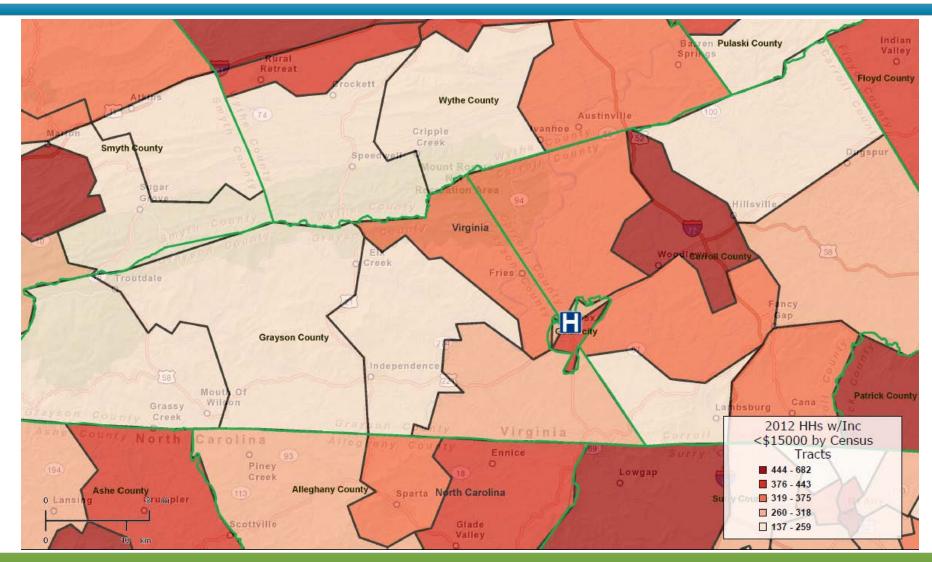
Median HH Income







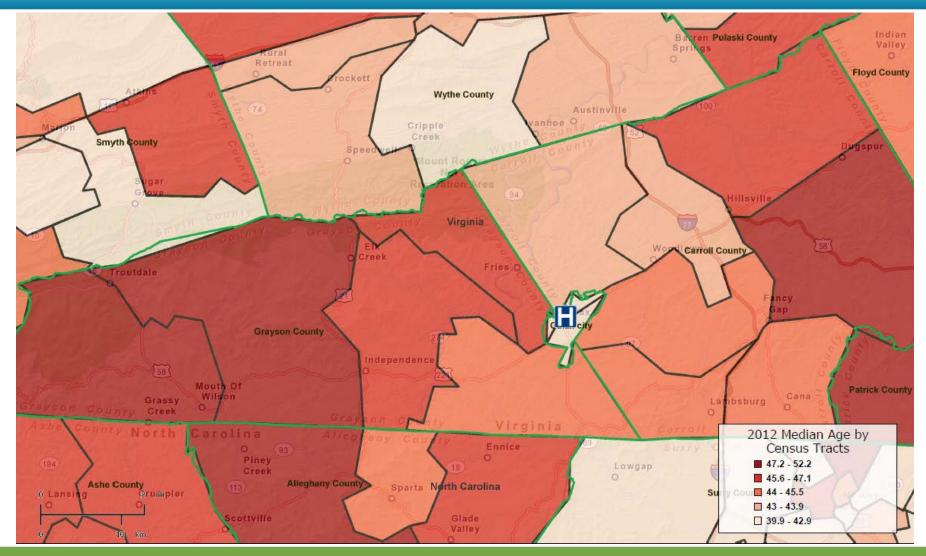
HH Income < \$15,000







Median Age



Median age = 45.8, 37.3 US





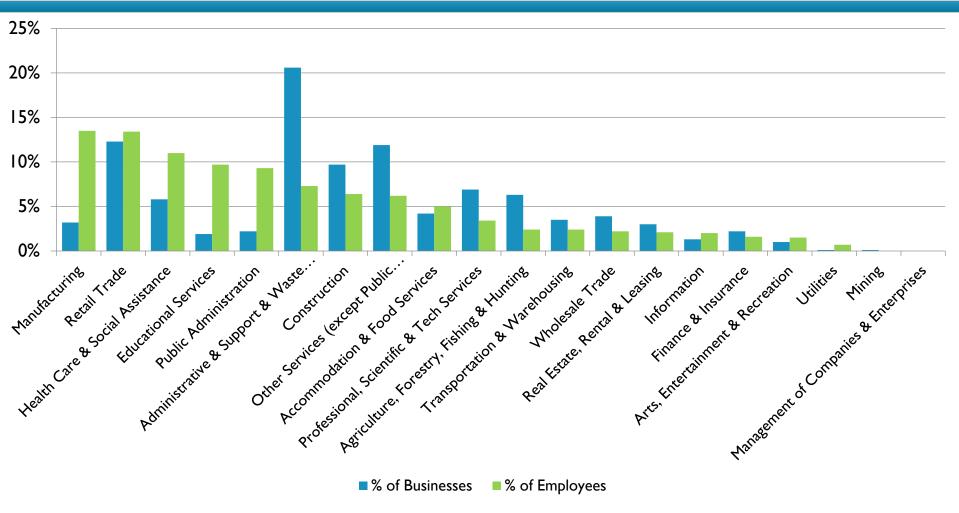
Data Analysis

BUSINESS ENVIRONMENT





Business Summary



A category may have higher % of Businesses than % of Employees when there are many small businesses in the area.



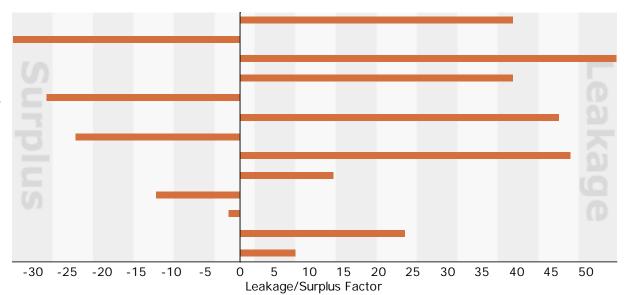


Leakage/Surplus Factor by Industry Subsector

Residents leave the Twin County area for most all industry subsector.s They stay for furniture stores, gas stations, food and beverage stores, and general merchandise stores, but leak out to other areas for most everything else.

Leakage/Surplus Factor by Industry Subsector



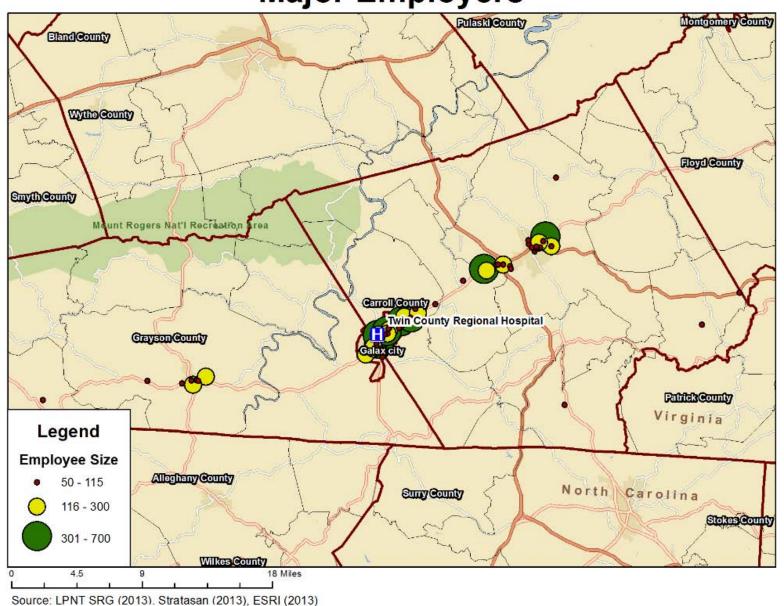


Leakage: Demands for services/goods not being met within the service area (ex. Residents leave the service area for retail)

Surplus: Excess of services/goods being sold in the area (ex.The service area attracts shoppers from outside the service area)



Twin County Regional Hospital Major Employers



Cource: Stratacan (2012) ESPI (2012)

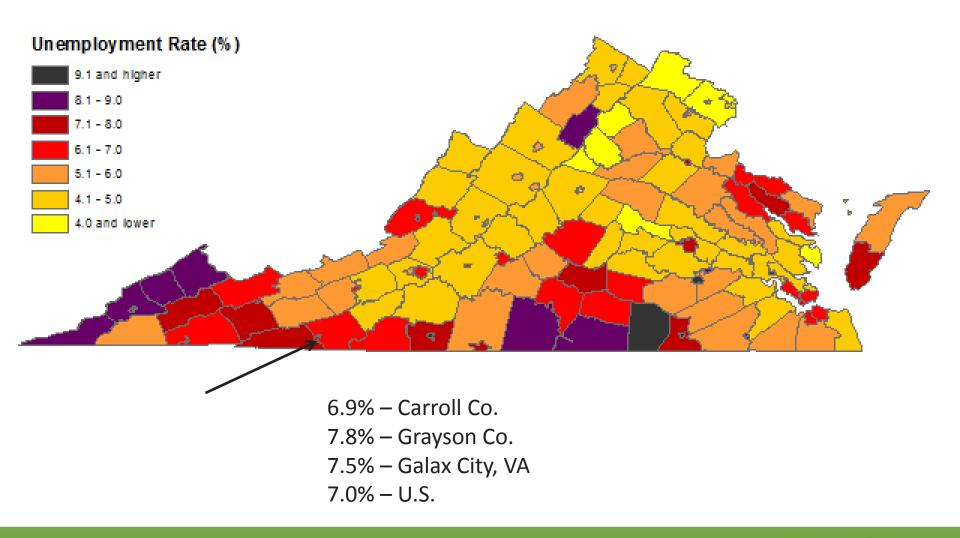
Largest Employers in the Area

Employer	Product	Employees
Vaughan-Bassett Furniture Co	Furniture	700
Twin County Reg Healthcare	Healthcare	585
Parkdale Mills	Cotton Manufacturing	550
Webb Furniture Enterprises Inc	Furniture	500
Southwestern Va Training Ctr	Healthcare	470
Walmart Supercenter	Retail	450
Parkdale Mills	Cotton Manufacturing	400
Consolidated Glass & Mirror	Glass Manufacturing	300
Twin County Regional Hospital	Healthcare	290
Parkdale Mills	Cotton Manufacturing	201
Mt Rogers Youth Svc	Youth Counseling	200
Mt Rogers Idc	Community Services	175
Horizon Equipment Rental	Retail	170
Turman Hardwood Flooring	Flooring	170
Waddell Nursing & Rehab Ctr	Healthcare	155
Medfit Systems	Exercise Equipment Manufac.	150
Grayson Nursing & Rehab Ctr	Healthcare	150
Webb Furniture Enterprises	Furniture	150
Mohawk Industries Inc	Home Construction	150
Life Center Of Galax	Rehabilitation	140





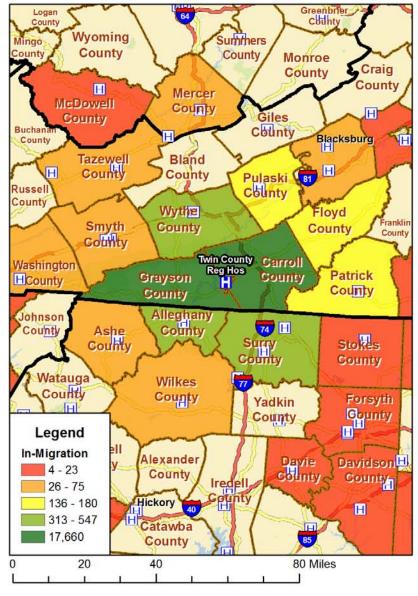
Unemployment November 2013





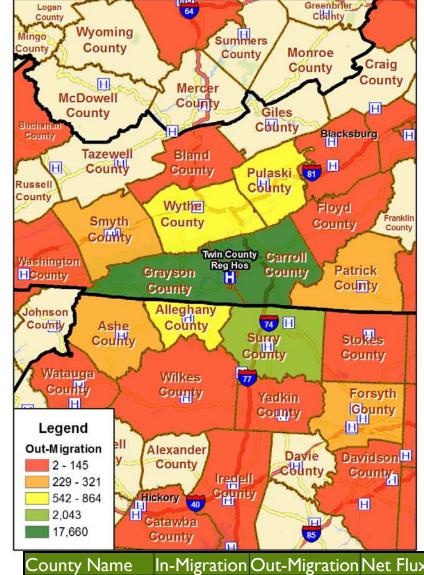


Commuter In-Migration



17,660 live and work in the Twin County Area.

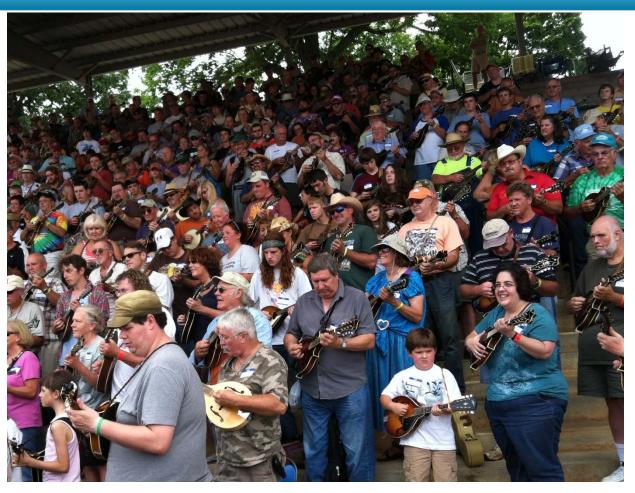
Commuter Out-Migration



In-Migration Out-Migration Net Flux Galax City, VA 4,765 1,215 3,550 757 Grayson County 5,248 -4,991 Carroll County 3,314 -3,3276,641 8.836 -4.768 Total 13.104

Courses Stratasan (2012) LIS Consus Bureau (2010)





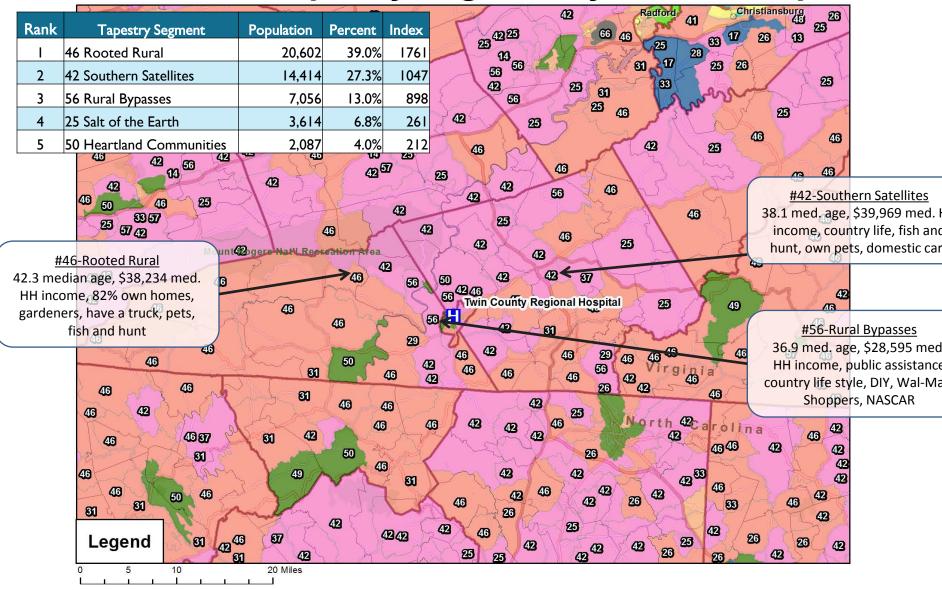
Data Analysis

PSYCHOGRAPHICS





Twin County Regional Hospital Dominant Tapestry Segment by Block Group





Who Report

The Health and Behavior Habits of Your Community

Health Habits of Your Community	More-Likely
Used prescr drug for diabetes (insulin dependent)	347
Used prescr drug for diabetes (non-insulin)	270
Diet control for blood sugar level	238
Diet control for salt restriction	219
Wear bi-focals	206
Used doctor`s care/diet for diet method	194
Used prescription drug for high blood pressure	189
Used prescription drug for heartburn/acid reflux	184
Used prescription drug for arthritis/rheumatism	180
Used prescription drug for high cholesterol	176
Used last 6 mo: hemorrhoid remedy	173
Visited nurse practitioner in last 12 months	167
Used last 6 mo: diarrhea remedy	161
Used last 6 mo: toothache/gum/canker sore remedy	160
Diet control for cholesterol level	150
Used last 6 mo: laxative/fiber supplement	146
Used prescription drug for sinus congest./headache	142
Used prescription drug for backache/back pain	141
Used last 6 mo: medicated throat remedy	141
Bought prescription eyewear: from eye doctor	133
Used prescription drug for depression	133
Used last 6 mo: pain relieving rub/liquid/patch	129
Visited doctor in last 12 mo: cardiologist	124

Behavior Habits of Your Community	More-Likely
Shopped at grocery store/6 mo: Piggly Wiggly	1,352
Fam rest/steak hse last 6 mo: Ryan`s	974
Radio format listen to: gospel	730
Shopped at grocery store/6 mo: IGA	658
Fast food/drive-in last 6 mo: Captain D`s	609
Fast food/drive-in last 6 mo: Hardee`s	600
Cell phone srv on main phone: Alltel	556
HH owns riding lawn mower	531
HH has satellite dish: Dish Network	493
HH owns lawn or garden tractor	490
Connection to Internet from home: dial-up modem	477
HH owns ATV/UTV	458
Bought oil filter: at Wal-Mart	451
HH owns welder	449
HH owns garden tiller	424
Shopped at grocery store/6 mo: Food Lion	419
Used Luvs in last 6 months	397
HH has satellite dish	396
Smoked 9+ packs of cigarettes in last 7 days	395
Participated in hunting with rifle	376
Radio format listen to: country	356
HH owns 2+ dogs	349
Used prescr drug for diabetes (insulin dependent)	347



US Index is 100



Who Report

The Communication and Technology Habits of Your Community

Communication Habits of Your Community	More-Likely
Radio format listen to: gospel	730
HH has satellite dish: Dish Network	493
HH has satellite dish	396
Radio format listen to: country	356
HH has satellite dish: DirecTV	342
Watched last week: Outdoor Channel	339
Watched last week: CMT (Country Music Television)	296
Read fishing/hunting magazines	294
Watched last week: TV Land	239
Watch early morning TV (M-F): The Early Show	237
Watch TV aired once/wk: CBS Evening News-Sun	225
Watch Syndicated TV (M-F): Divorce Court	220
Watched last week: Hallmark Channel	219
Radio listening: auto racing	212
Watch Syndicated TV (M-F): Wheel of Fortune	191
Light magazine reader	183
Watch on TV: auto racing (NASCAR)	179
Read newspaper: classified section	179
Watch Syndicated TV (M-F): The Jerry Springer Show	178
Watched last week: Lifetime Movie Network	175
Heavy viewer of daytime TV	173
Watch TV aired once/wk: Amer.'s Funniest Hm Videos	172
Watch on TV: rodeo/bull riding	169

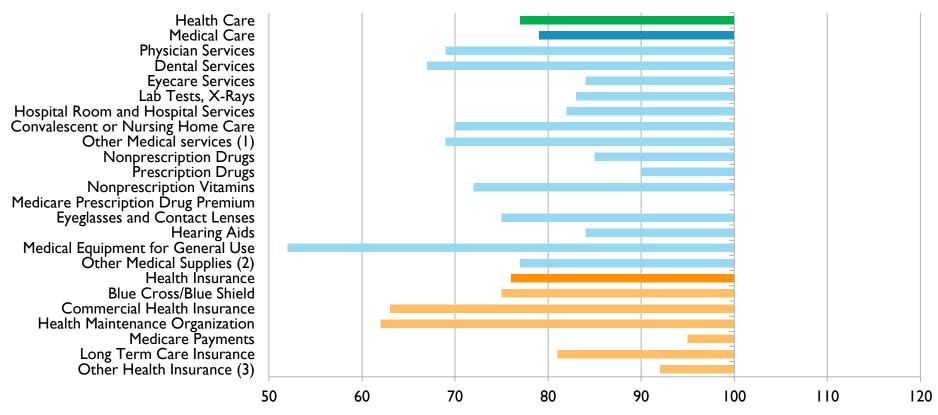
Technology Habits of Your Community	More-Likely
Connection to Internet from home: dial-up modem	477
Purchased film in last 12 mo: department store	262
Spent on cameras in last 12 months: <\$100	250
Purchased film in last 12 mo: discount store	226
Bought Kodak camera in last 12 months	191
Purchased home PC at department store	188
Bought Fuji film in last 12 months	179
Use Internet 1-2 times per week	175
Own Polaroid camera	174
Use Internet less than once a week	167
Bought 7+ blank video tapes in last 6 months	164
Bought video tape/DVD last month: horror	156
Own Fuji camera	155
Had film processed at discount store	153
Bought film in last 12 mo: 35mm (color prints)	153
Own Kodak camera	153
Bought film in last 12 months: 3-6 rolls	150
Own 35mm auto focus zoom camera	138
Most recent TV purchase: regular screen (13-26 in)	134
Bought film in last 12 mo: instant developing	124
Had film processed at 1 hour service store	122
Most recent TV purchase: large screen (27-35 in)	122
HH owns I TV	119



US Index is 100



Medical Expenditure Index



Data Note: The Spending Potential Index (SPI) is household-based, and represents the amount spent for a product or service relative to a national average of 100. Detail may not sum to totals due to rounding.

- (1) Other Medical Services includes Services by Medical Professionals other than Physicians, Nursing Services, Therapeutic Treatments, Blood Donation, Ambulance, Emergency Room, and Outpatient Hospital Services
- (2) Other Medical Supplies includes Topicals, Dressings, Supportive and Convalescent Medical Equipment, Rental of Medical Equipment for General Use, and Rental of Supportive and Convalescent Medical Equipment.
- (3) Other Health Insurance includes Medicare Supplements and Other Health Insurance excluding Blue Cross/Blue Shield.



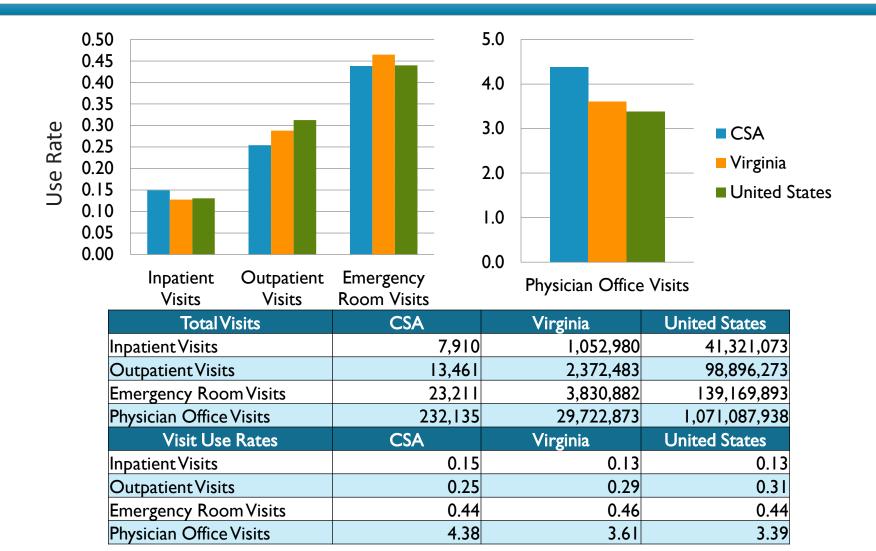


Data Analysis

HEALTH SERVICE DEMAND



Health Demand Overview



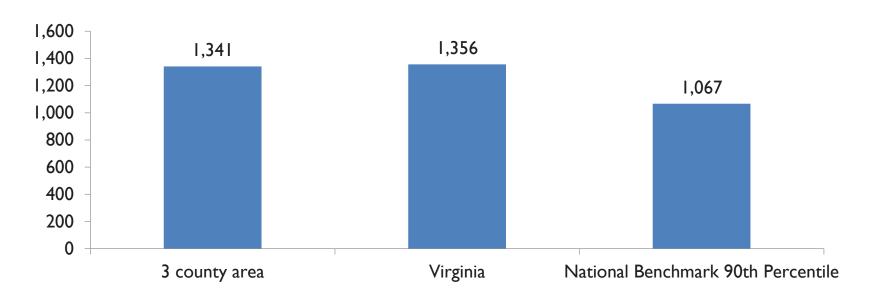
The rate = the rate of occurrence in the CSA Rate = # Patients / Total Population

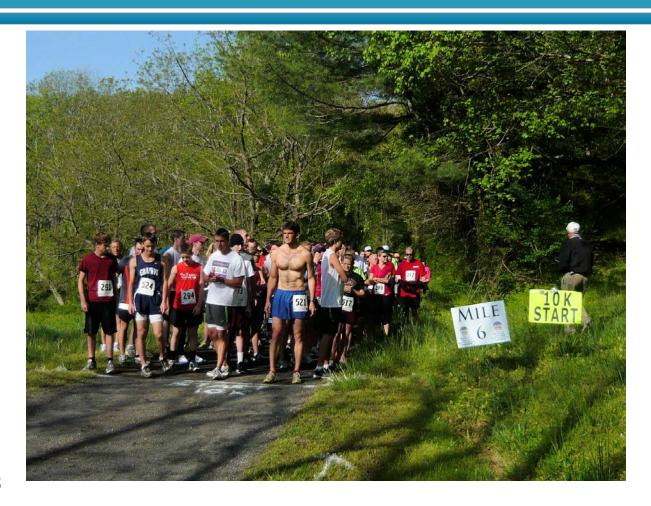


Access to Primary Care

 Based on two physician demand studies and the population per physician calculation from the County Health rankings, the Twin County area has just enough primary care physicians, but lacks certain specialties.

Primary care physicians (Pop per physician)





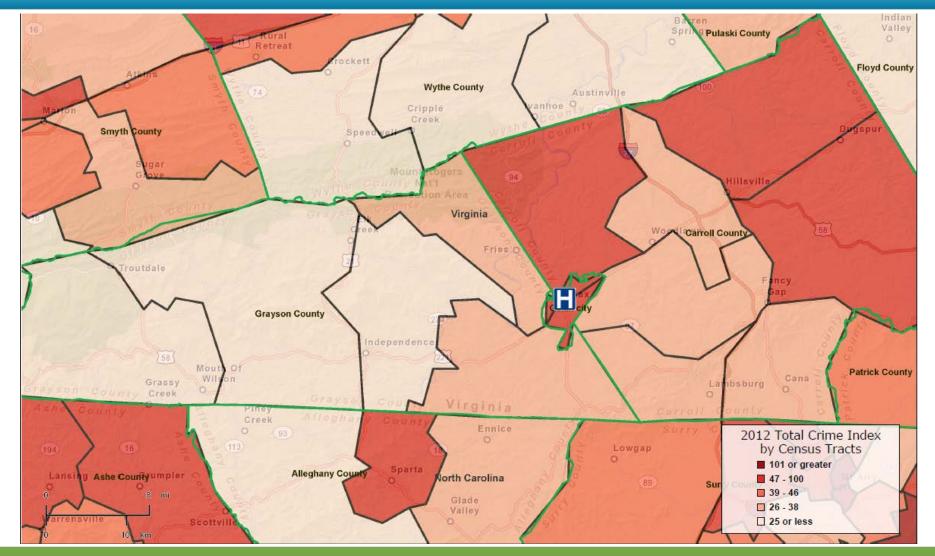
Data Analysis

ENVIRONMENT & HEALTH DATA





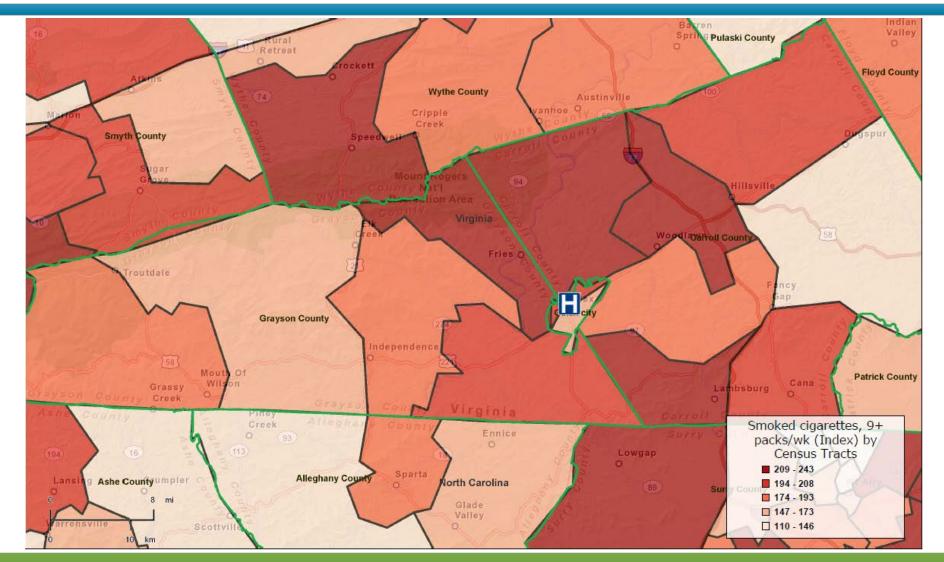
Crime Index





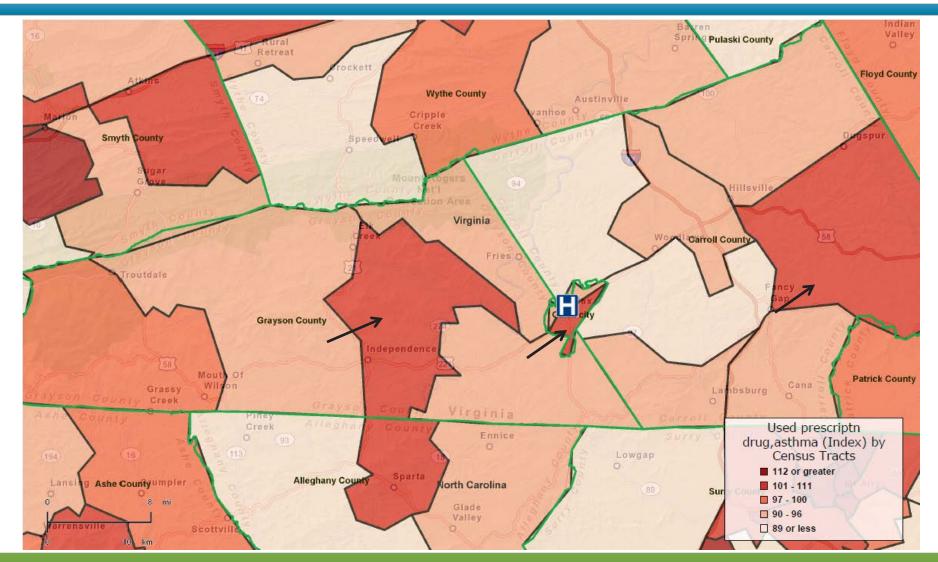


Smoked 9+ Packs of Cigarettes per Week



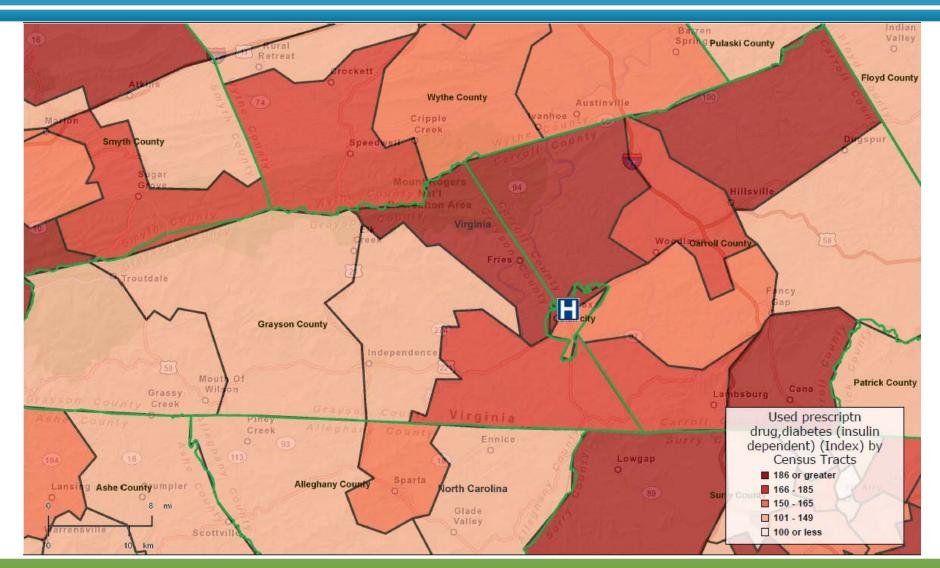


Used Prescription Drug for Asthma



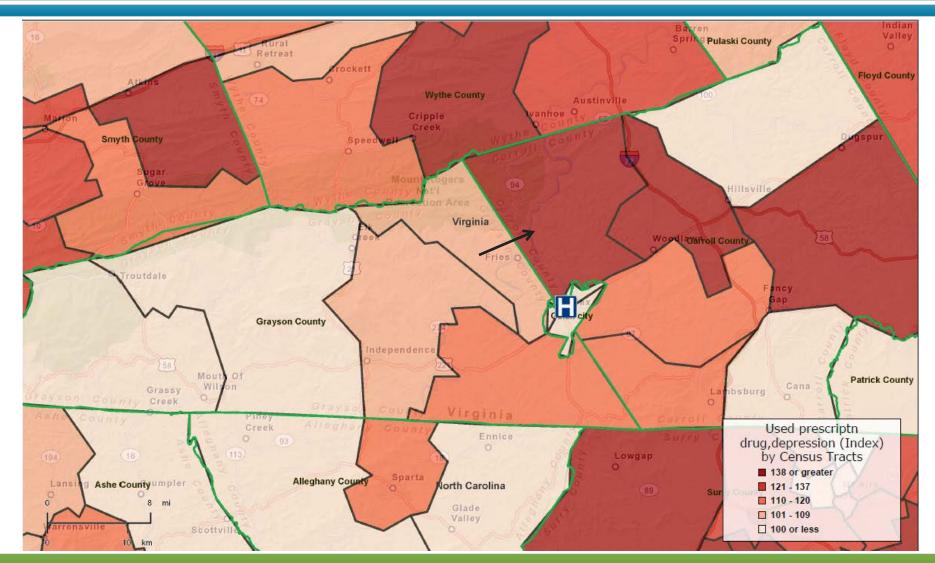


Used Prescription Drug for Diabetes



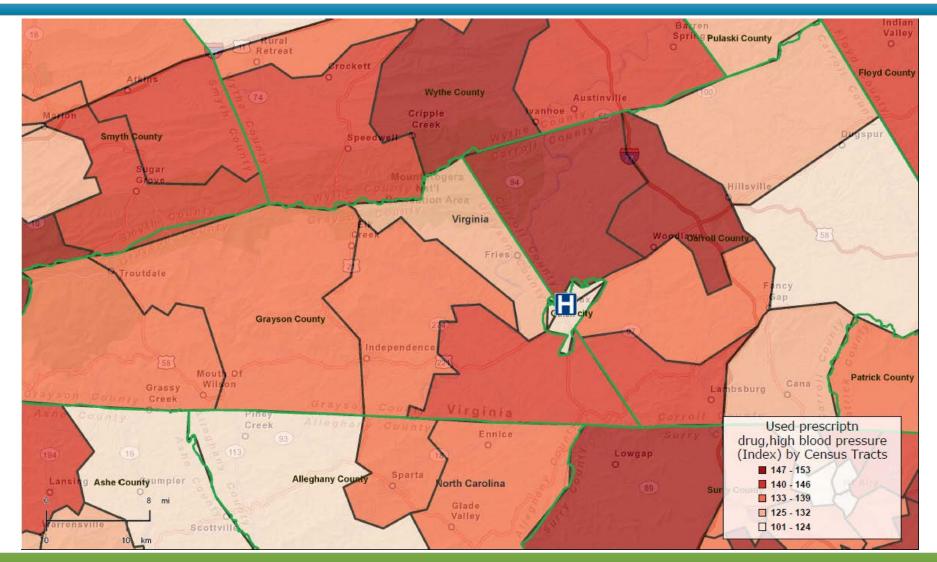


Used Prescription Drug for Depression



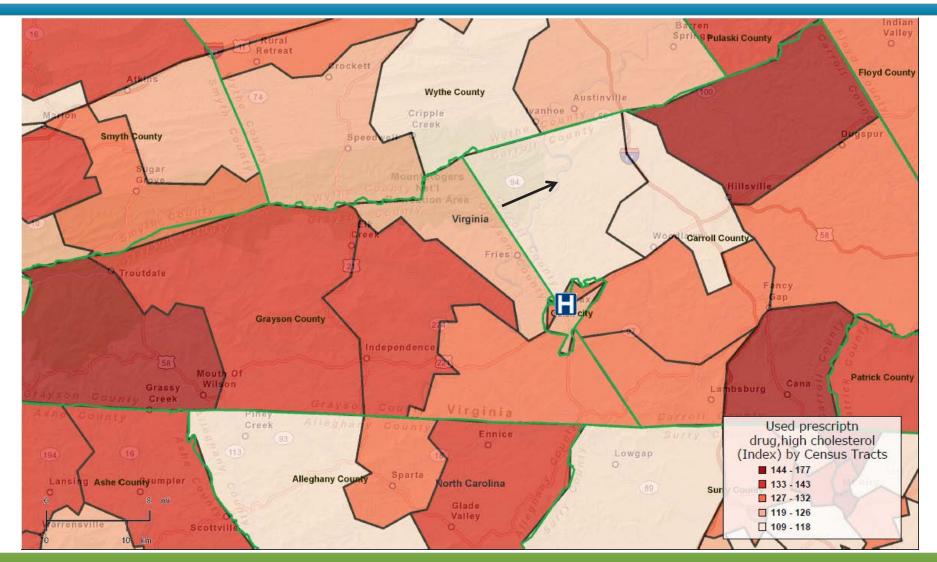


Prescription Drug for High Blood Pressure



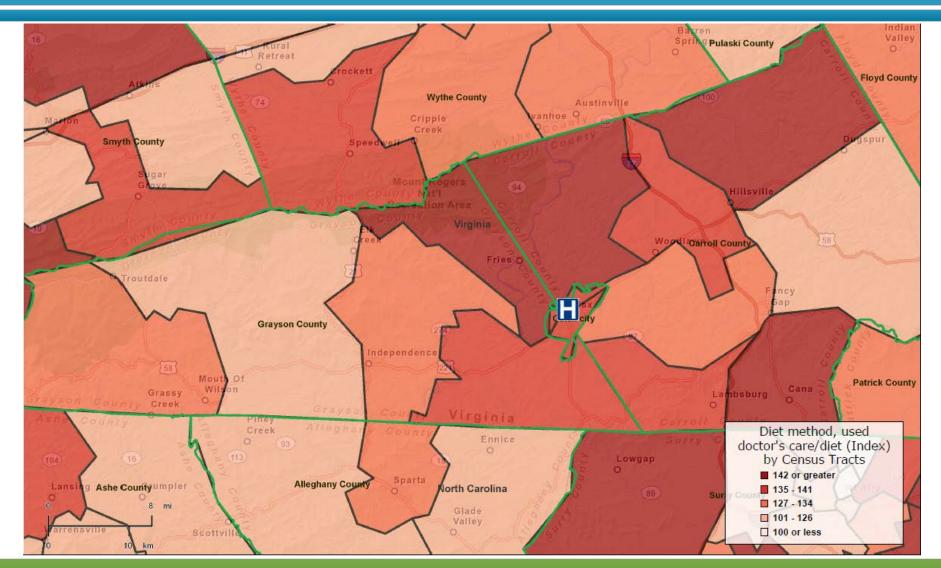


Used Prescription Drug for Cholesterol



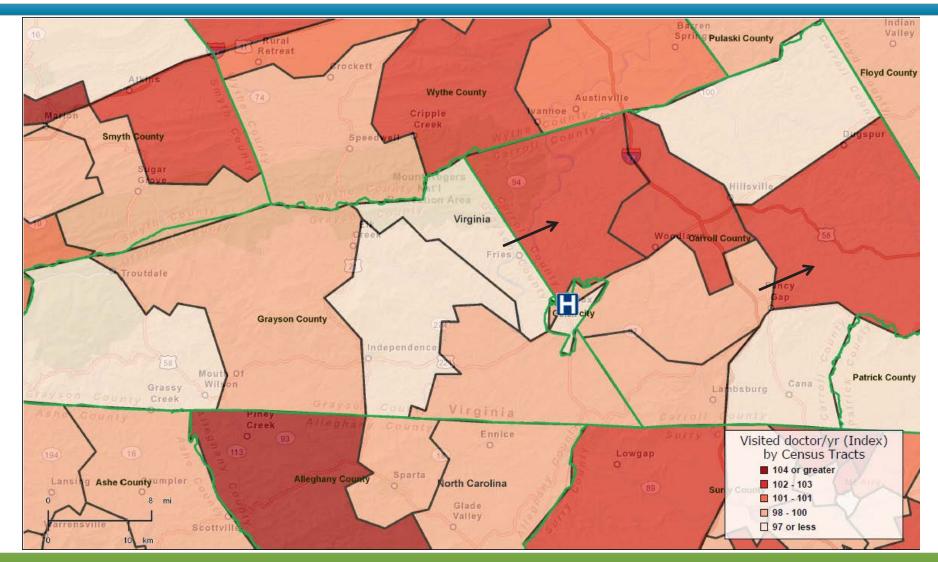


Doctor's Care for Diet



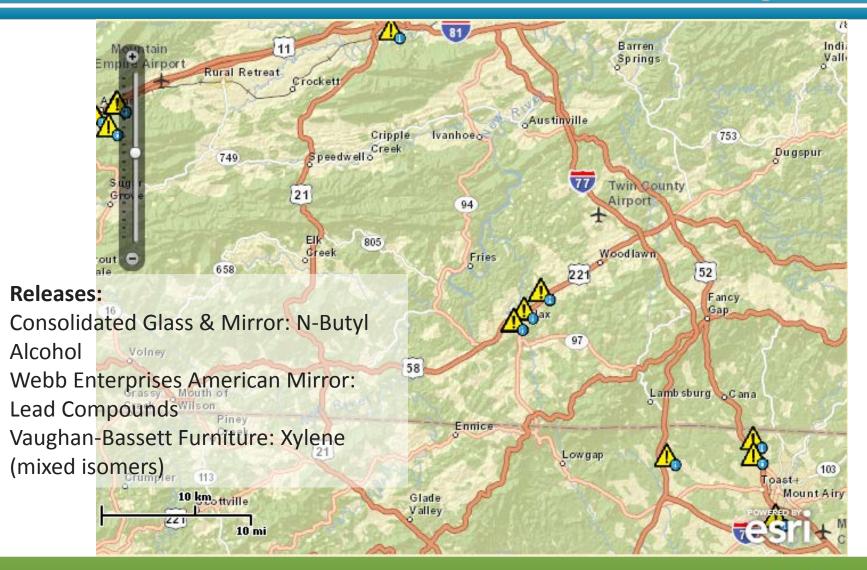


Visited a Doctor in the Last 12 Months





Toxic Release Inventory





Disease Outbreaks







COMMUNITY FOCUS GROUP



Focus Group Summary

 On January 9, 26 community members attended a focus group to give input into community health needs.



How healthy is the area's healthcare?

TCRH assesses community's health needs

By SHAINA STOCKTON Staff

The Community Advisory Groups of Carroll, Grayson and Galax held a joint meeting at Twin County Regional Hospital on Jan. 9 to discuss topics for a community health needs assessment.



This assessment is Twin County Regional Healthcare's newest project, which has been taken on in an effort to pinpoint health concerns in the

Generally, how would you describe the health of the community as a whole?

Below Average

Most Important Health Issues

- Chronic Diseases pulmonary, cardiology, diabetes, obesity, cancer
- Socio-Economic issues high unemployment, lower wages, disability, lack of jobs, inability to get higher education
- Smoking
- High cost of healthcare and health insurance
- Drug abuse Methamphetamine, alcohol, Oxycodone, Vicodin
- Aging population transportation, prescription drug abuse
- Mental health needs
- Using the Emergency Department instead of primary care providers
- Difficult to afford healthy foods

Most Important Health Issues - Children

- Poverty lack of resources for healthy food
- More opportunities for children to exercise
- With 2 parents working, fast food is easier and quicker than cooking meals

Where people turn for basic healthcare needs:

- Primary care physicians
- Employer clinics

Discussion about access to primary care:

- Can't depend on just physicians, need a team approach to primary care
- Need more primary care providers, physicians, nurses, social workers, pharmacists working together

What people need to manage their health:

- More technology home monitoring.
- Put together systems of care for people nurses, educators, nurse practitioners.
 With the shortage of primary care physicians and changing reimbursement. It is the only way.
- More health education
- Motivation
- Personal responsibility
- Education from someone they trust
- Cheerleaders to keep them motivated
- Free or discounted dental care. Lots of people don't have dental insurance.
- Cultural, economic aspect to eating well/motivation
- Need a Nephrologist
- More cancer care available locally



Responsible for Improving Health

- Individuals are responsible but other groups may nudge them
- Nudgers (working as a team):
 - Employers
 - Hospital
 - Physicians
 - School system
 - Faith-based nursing program
 - Churches
 - Local government
 - Federal government
 - Insurance companies

How to Collaborate/Barriers

Collaboration

- The three areas work together regularly and extremely well
- Realized they are better together than separate
- Business development is an excellent example
- Christmas Drive all worked together
- Nurse LPN Program
- Free Clinic of Twin Counties in Galax- industry, churches, hospital, physicians all working together

Barriers

None

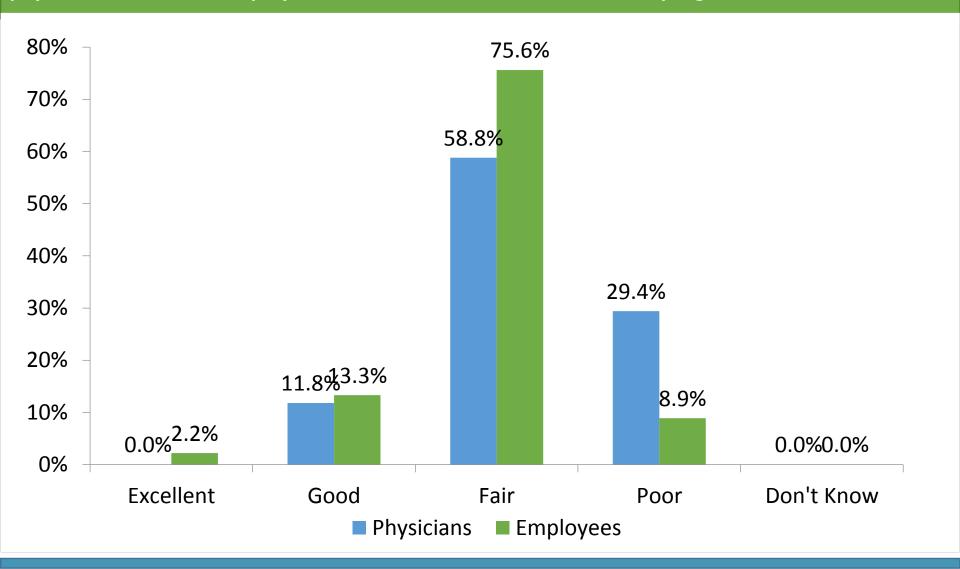
Wellness Initiatives

- Vaughan Bassett has incentives to exercise and not miss work
- Hospital Vitality program health risk assessment, opportunity to earn rewards
- Training Center has Flu shot incentives
- Most workplaces have tobacco v non tobacco user rates



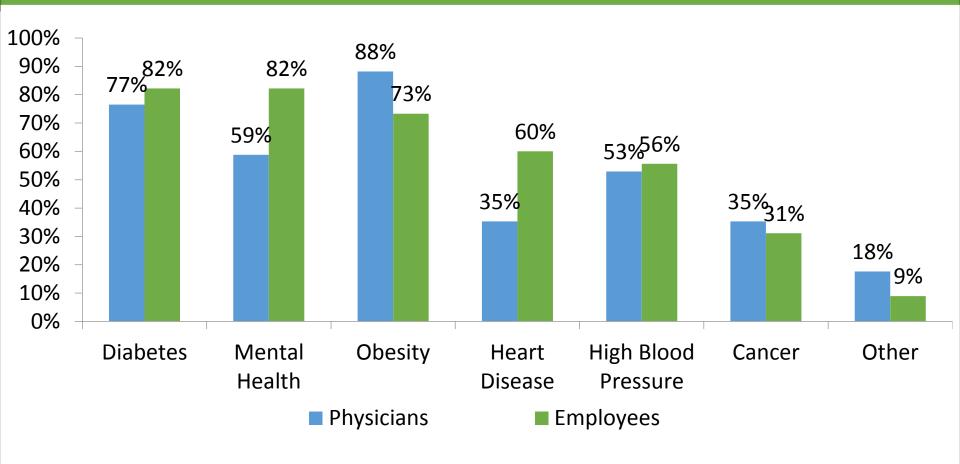
PHYSICIANS AND EMPLOYEES SURVEY

59% of the physicians and 76% of the employees believe the community's health is fair. However, 29% of physicians and 9% of TCR employees believe the health of the community is poor. 12% of physicians and 13% of employees believe the health of the community is good.





Employees believe the most prevalent disease is diabetes followed by mental health, obesity, then heart disease. Physicians believe the most prevalent disease is obesity followed by diabetes.

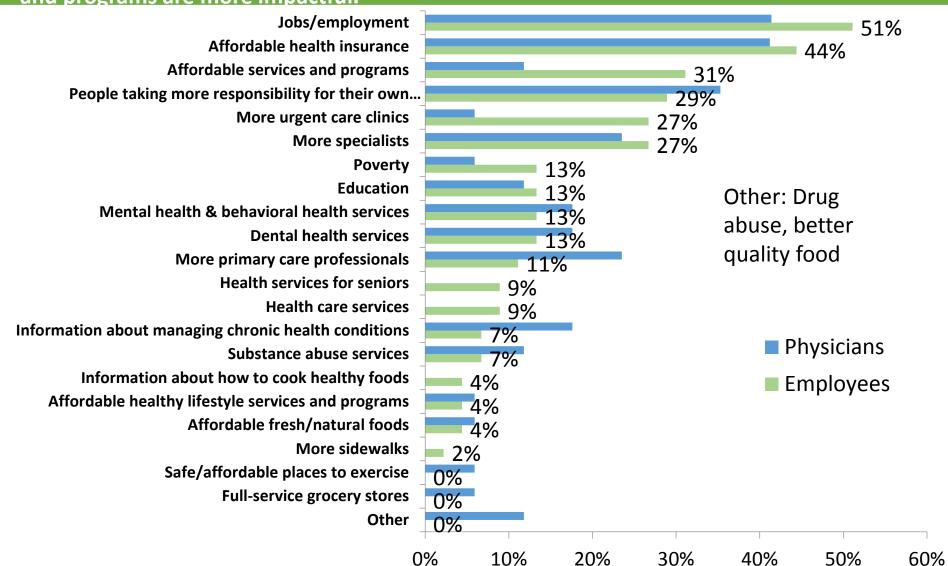


Ranked by # of employee responses.

Other physicians = Drug abuse, COPD, Smoking Other employees = Substance abuse, COPD

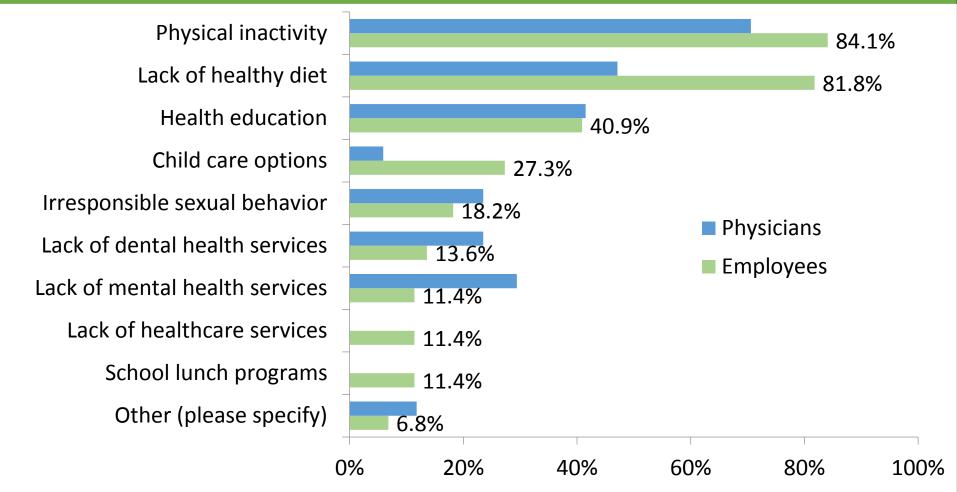


Both physicians and employees believe that jobs/employment and affordable health insurance are the most impactful issues. Physicians believe people taking more responsibility for their own health is impactful while employees believe affordable services and programs are more impactful.





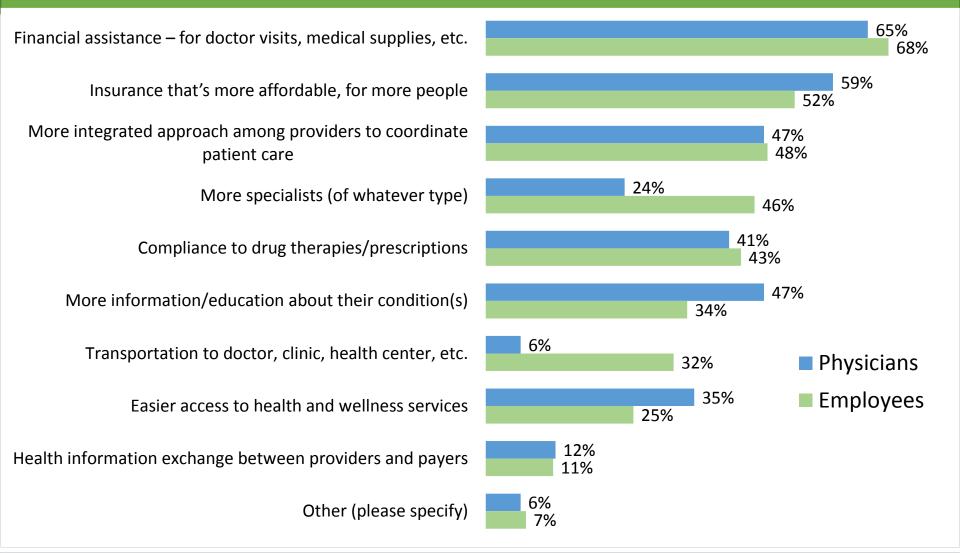
The health concerns for children are physical inactivity, lack of healthy diet, and health education. Physicians believe lack of mental health services is a big issue.



Other employees = education for parents on keeping children healthy, educated parents, poverty Other physicians = Drugs, cigarettes, alcohol abuse by teens



Financial assistance is most needed to manage their health, followed by affordable insurance and more integrated approach among providers. Employees believe more specialists are needed and physicians believe people need more information about their conditions.





Beneficial services for TCR to offer:

Employees

- Cardiology
- Cancer
- Prevention/Wellness
- Endocrinology
- Neurology
- Pulmonology
- Education on lifestyle and nutrition
- Primary care
- Mental health

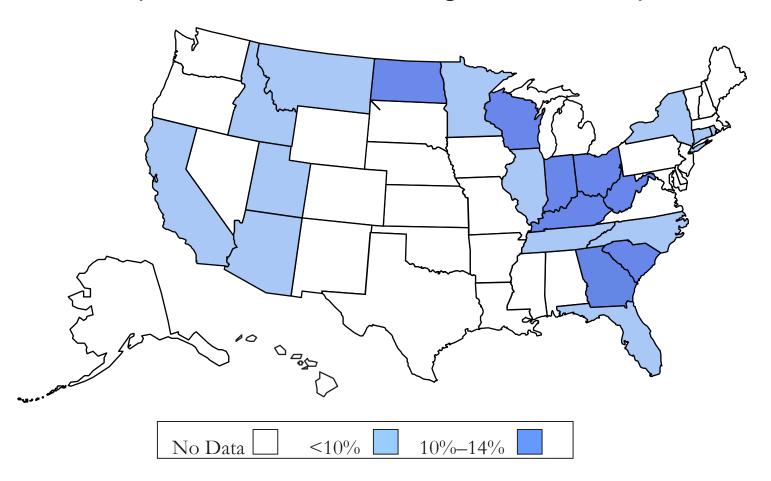
Physicians

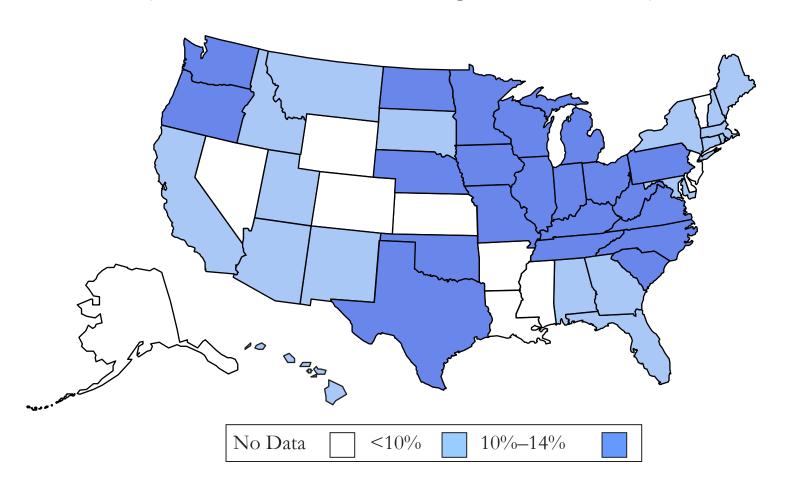
- Cardiology
- Pulmonology
- Nephrology
- Vascular Surgery
- Mental Health
- Drug abuse education
- Nutrition education
- Smoking Cessation
- Lifestyle education
- Primary care
- Free clinic

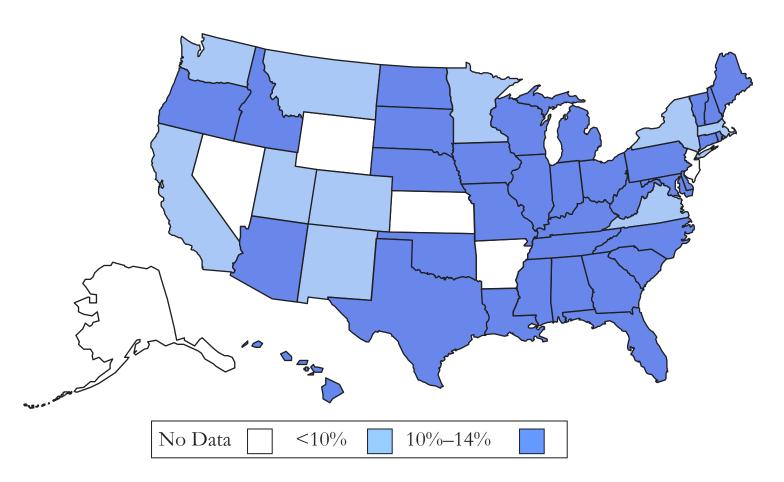


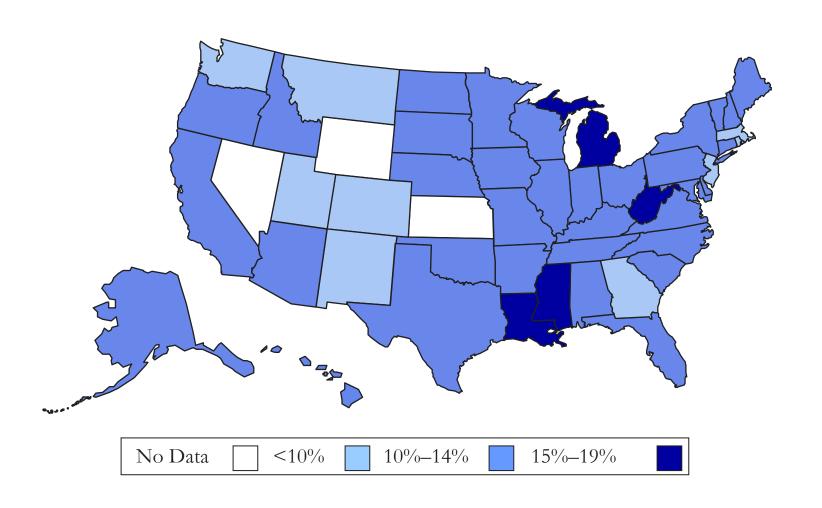
Stephanie Bailey, MD Stratasan

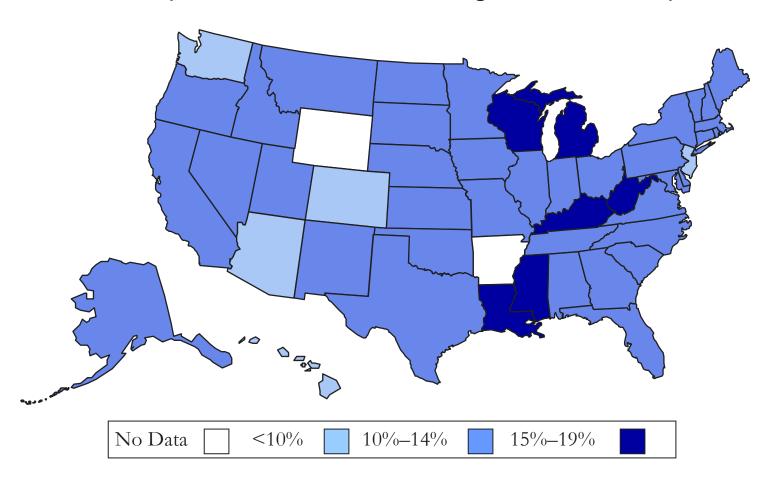
The Health of the Community

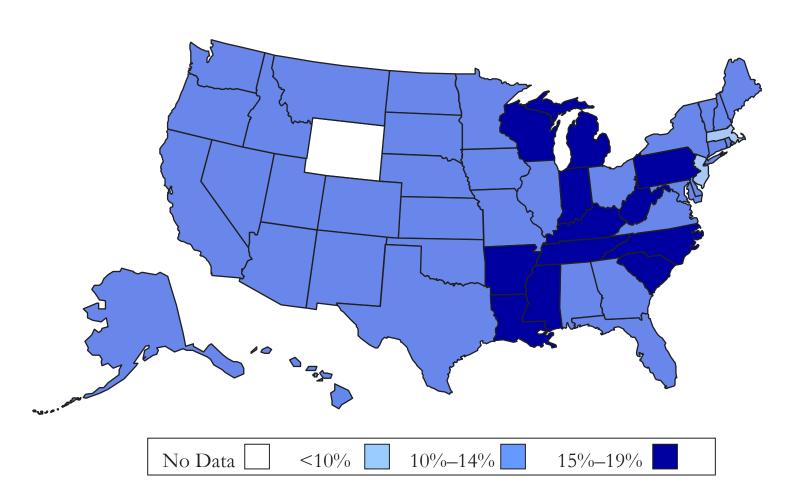


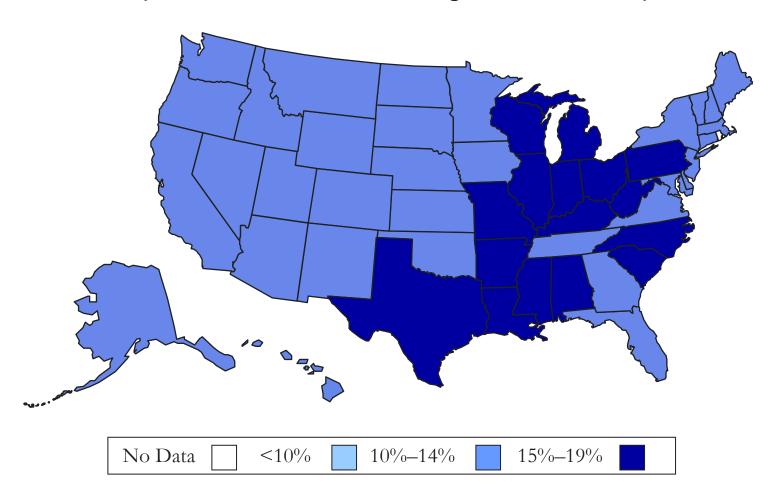


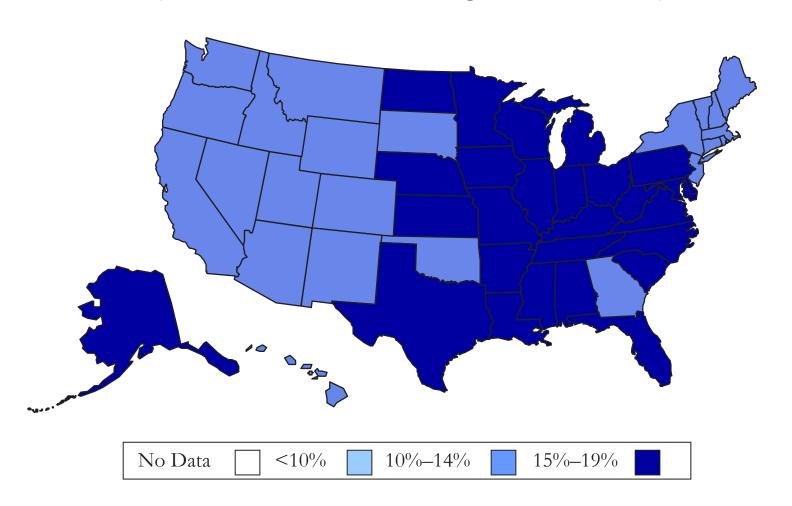


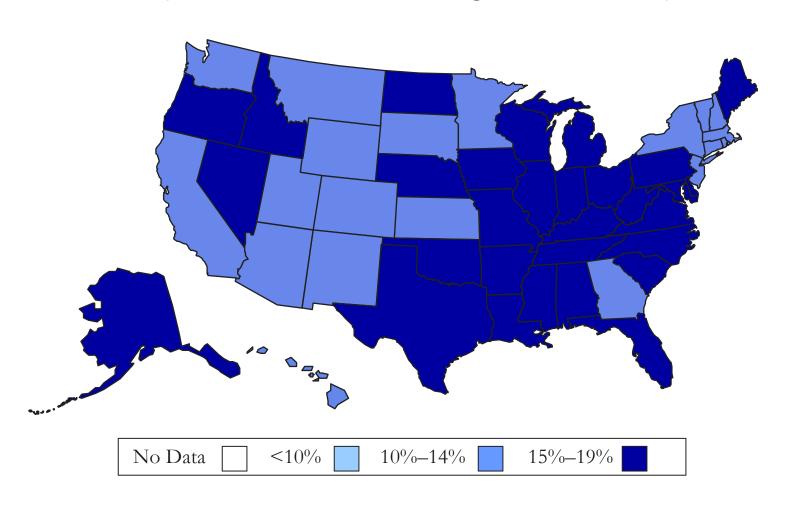


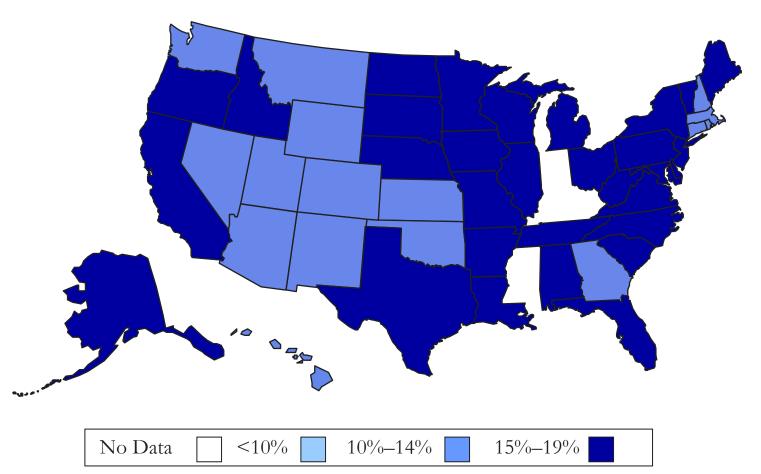


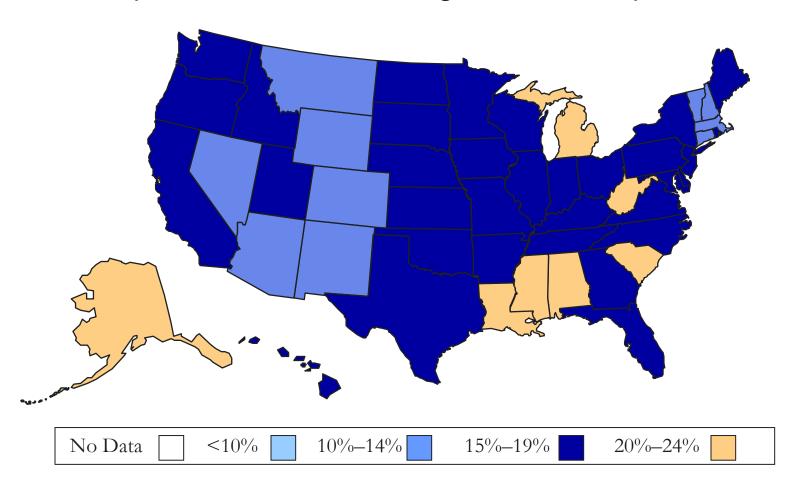


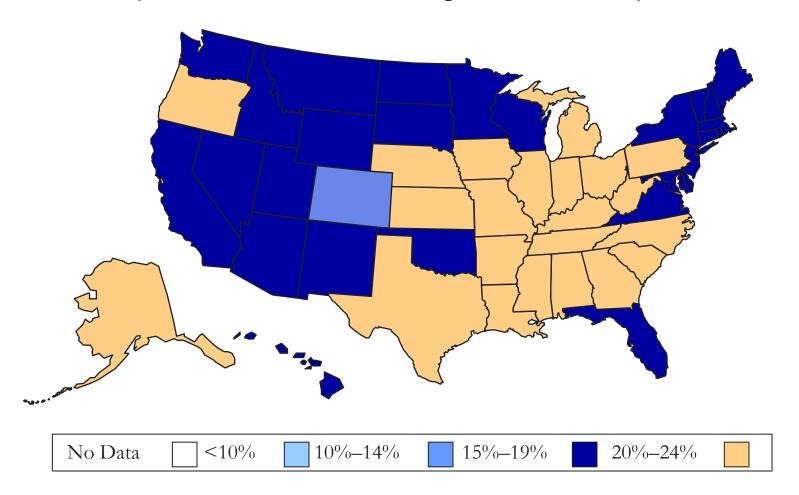




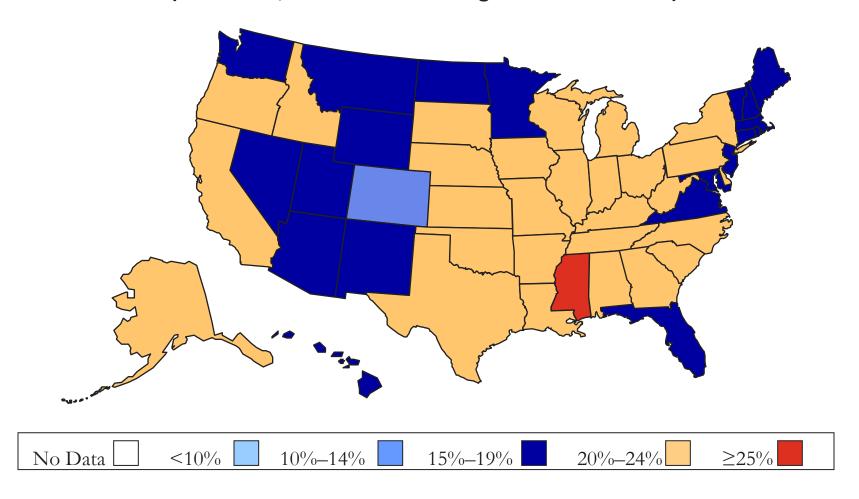






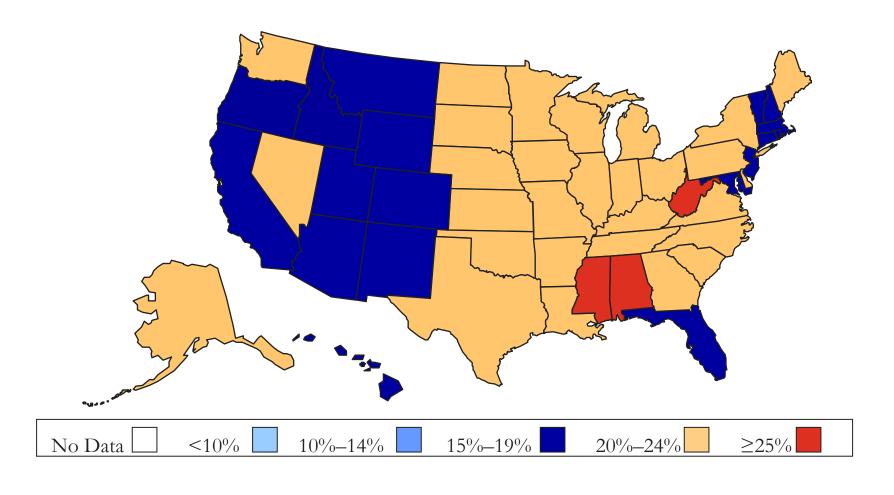


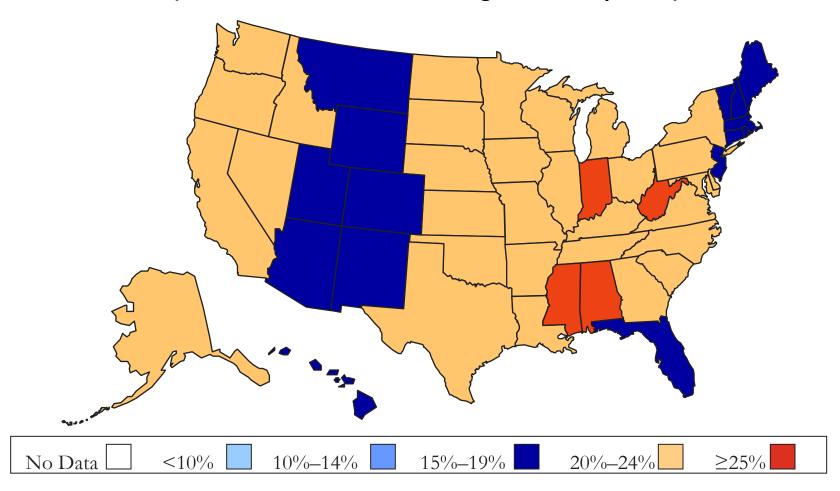
(*BMI \geq 30, or ~ 30 lbs overweight for 5'4" woman)

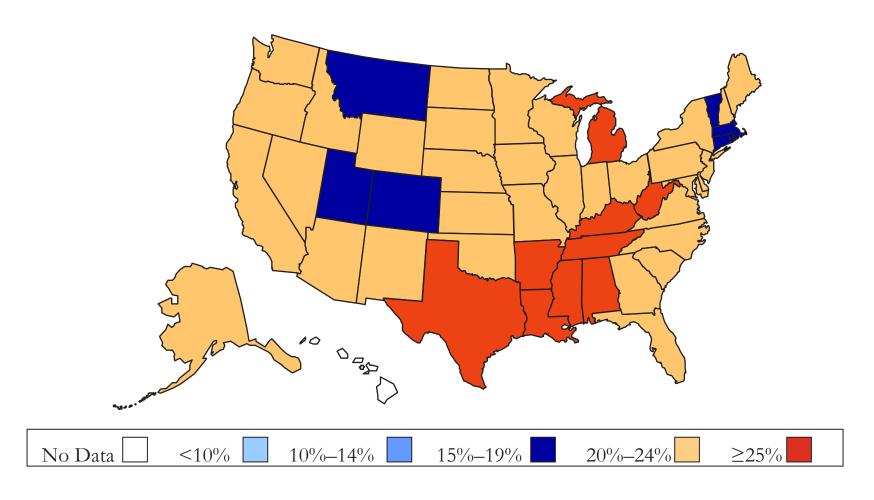


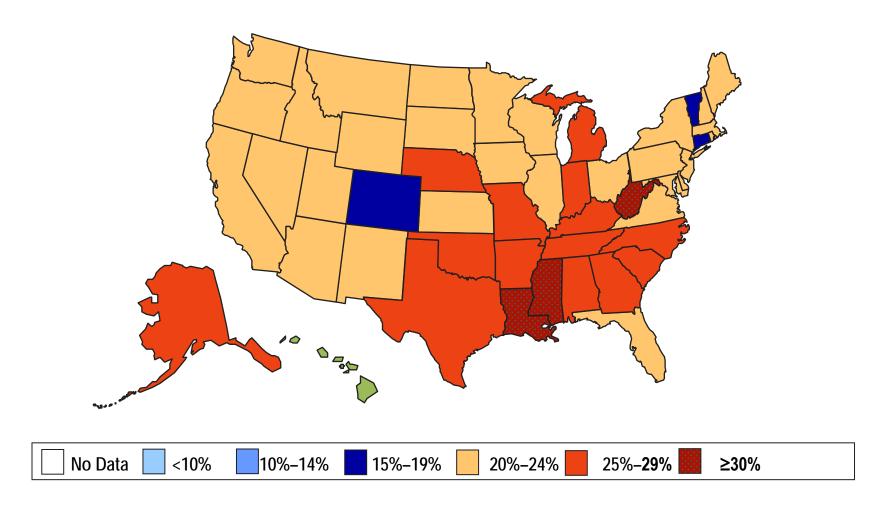


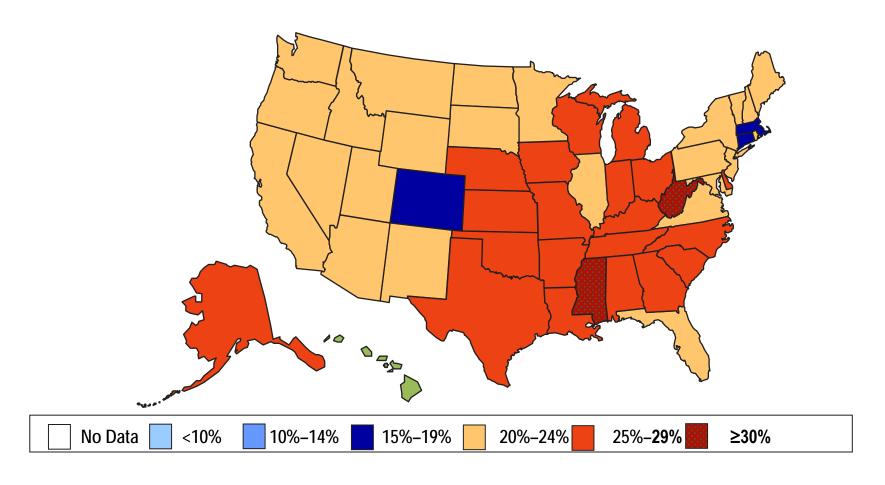
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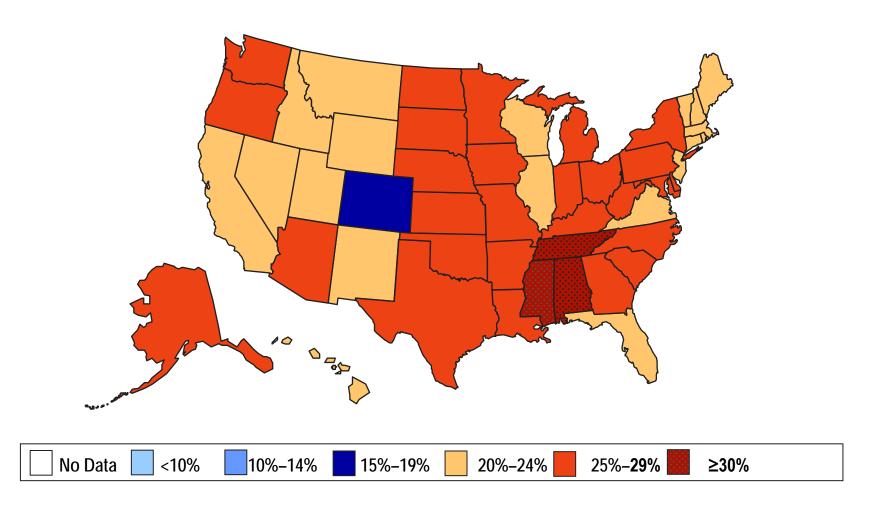


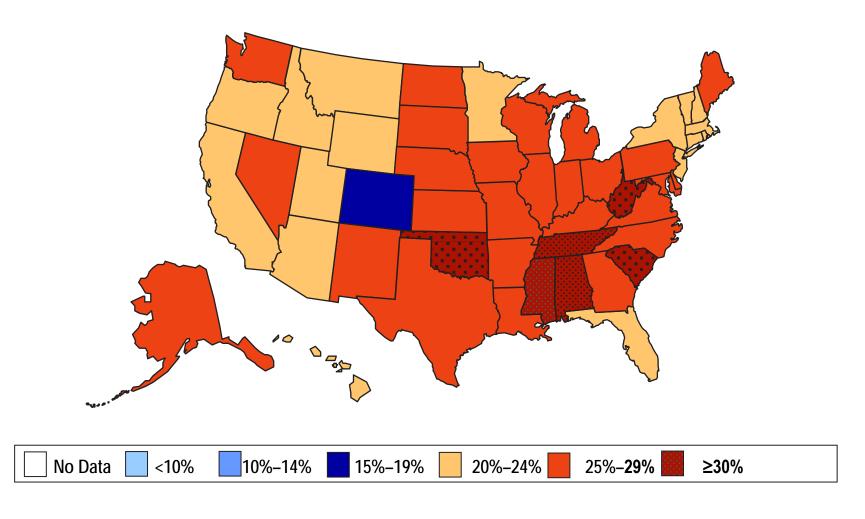


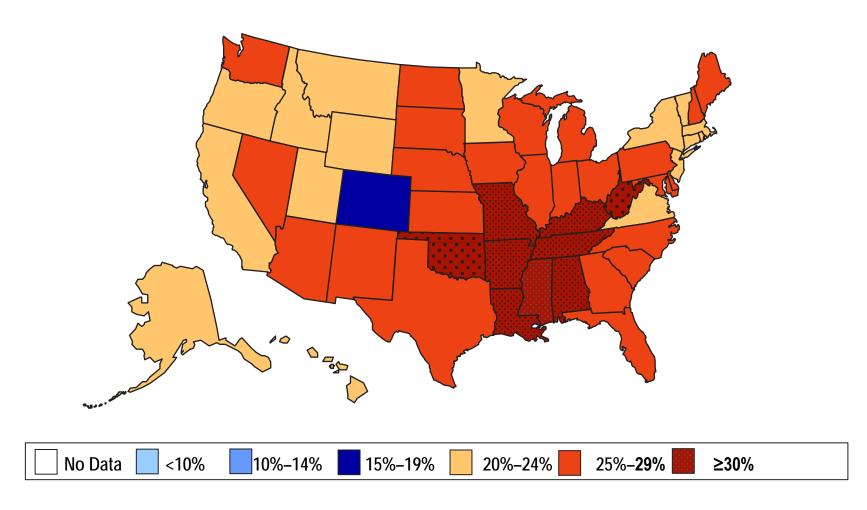


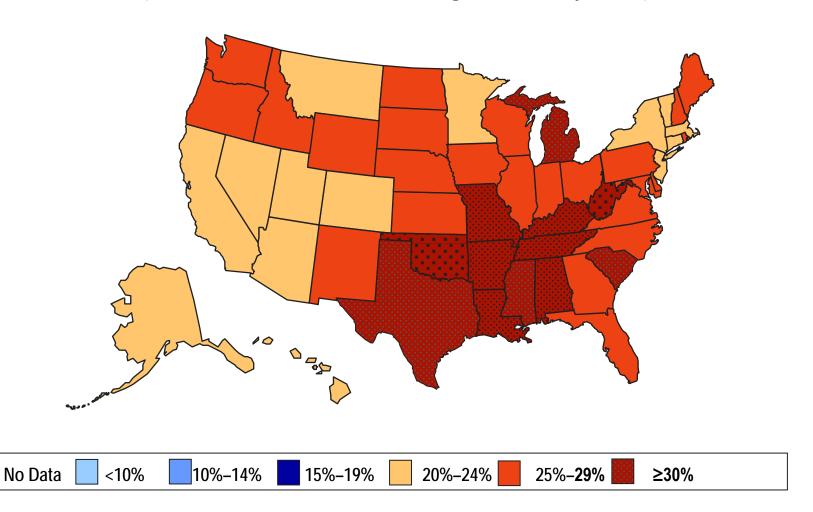














Virginia State Health Rankings - 26

Strengths:

Low rate of drug deaths

Low violent crime rate

Low percentage of children in poverty

Challenges:

High prevalence of diabetes

High infant mortality rate

Large disparity in health status by educational

attainment

28 Outcomes Rank

18 Determinants Rank

26 Overall Rank

35 Diabetes Rank

23 Smoking Rank

24 Obesity Rank

Highlights:

- In the past year, the prevalence of smoking declined from 20.9 percent to 19.0 percent of adults;
 however, nearly 1.2 million adults still smoke in Virginia.
- In the past year, the rate of drug deaths decreased from 9.3 to 8.0 deaths per 100,000 population.
- Although the prevalence of obesity dropped from 29.2 percent to 27.4 percent of adults in the past year, obesity remains high; more than 1.7 million adults are obese in Virginia.
- In the past 5 years, air pollution decreased by 35 percent from 12.6 to 9.3 micrograms of fine particulate per cubic meter.
- In the past 5 years, public health funding decreased by nearly 60 percent from \$111 to \$69 per person
- In the past 10 years, the **percent of children living in poverty increased** from 8.4 percent to 13.5 percent of person younger than 18 years.

America's Health Rankings



Virginia - 26 of 50

Category	Rank	
Violent Crimes	4]
Poor Mental Health Days	12	
Binge Drinking	17	Strengths
Poor Physical Health Days	20	oti erigirio
Occupational Fatalities	20	
Premature Deaths	21	J
Smoking	23	
Child Immunizations	23	
Obesity	24	
Cardiovascular Death	26	1
Infectious Disease	26	
Outcomes	28	
Cancer Death	29	Opportunities
Infant Mortality	35	
Diabetes	35.	J





Virginia Causes of Death

Rank	Cause	Number	Rate
I	Heart Disease	13,397	180.1
2	Cancer	14,122	173.2
3	Chronic lower respiratory disease	3,013	42.3
4	Stroke	3,244	38.9
5	Accidents	2,622	37.3
6	Alzheimer's disease	1,738	23.5
7	Diabetes	1,560	20.9
8	Influenza and Pneumonia	1,237	16.2
9	Kidney disease	1,521	14.9
10	Suicide	963	11.8



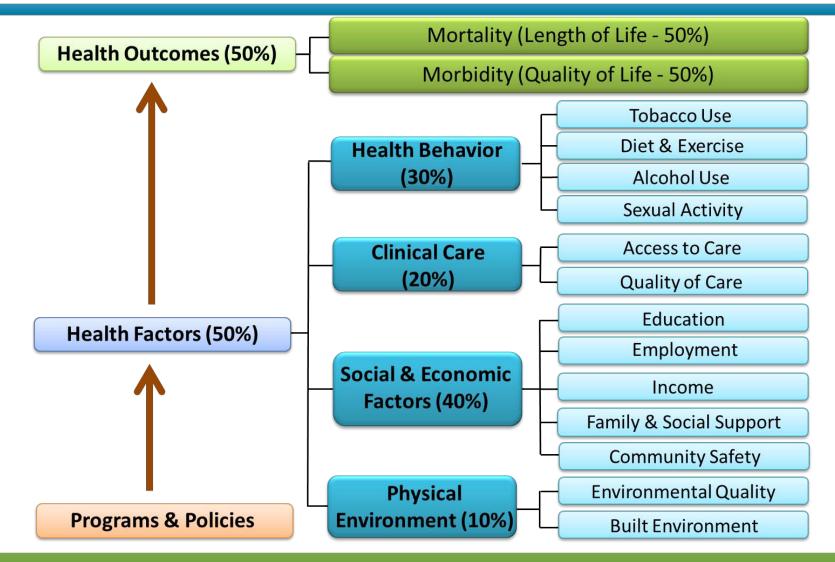
Cancer Death Rates

- Death Rate Report for Virginia by County, death years through 2010
- Higher in Carroll and Grayson Counties
- Lower in Galax City

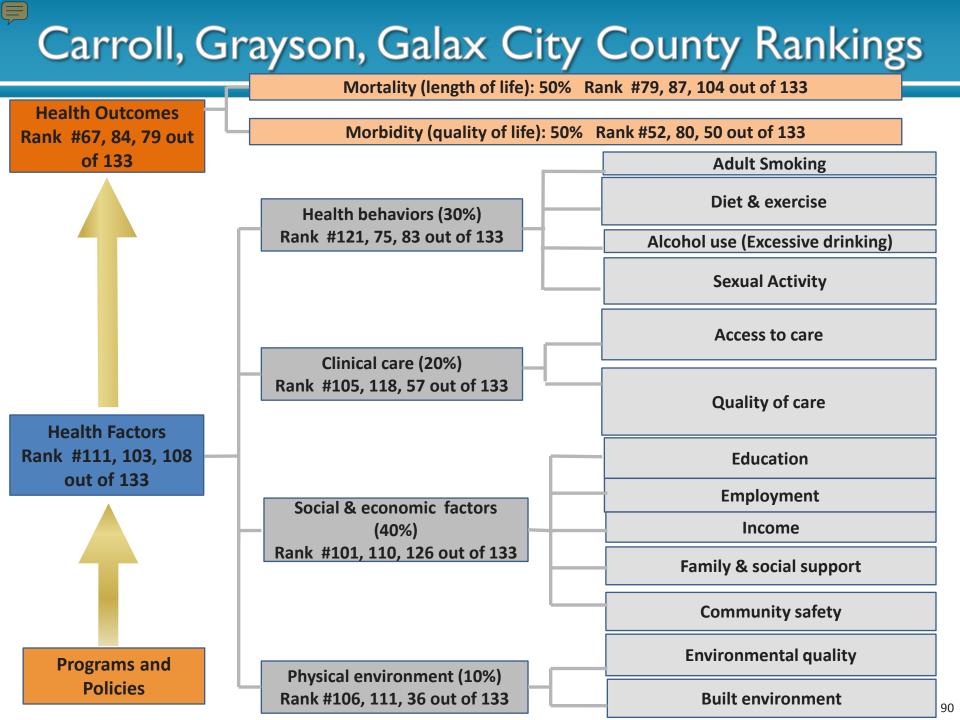
	Met HP 2020 Objective of		Average Deaths per Year over rate		Recent	Recent Average Annual Percent Change (2) in Death
State/County	160.6?	Death Rate	period	Rate Period	Trend (2)	Rates
Virginia	No	179.3	14,004	2006 - 2010	falling	-1.8
United States	No	176.4	566,112	2006 - 2010	falling	-1.5
Carroll County	No	183.9	79	2006 - 2010	stable	0.2
Galax City	Yes	159.7	16	2006 - 2010	falling	-2.9
Grayson County	No	183.8	45	2006 - 2010	stable	0.1



How do we rank for health?



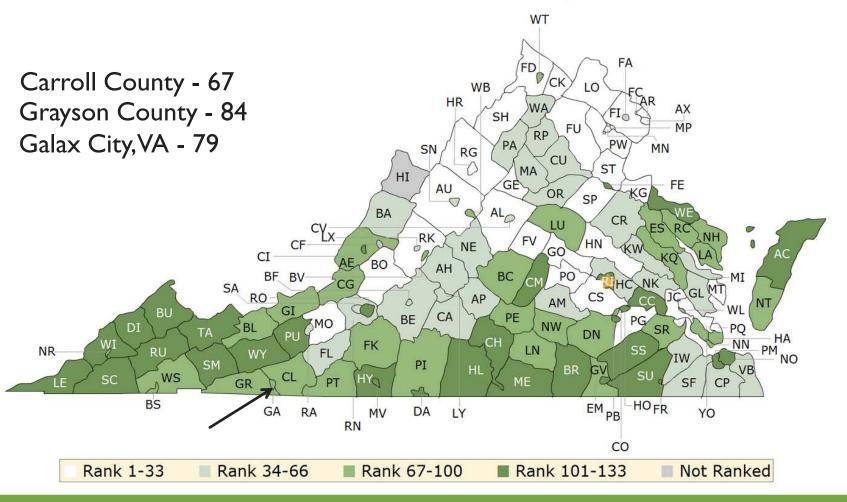






Virginia Health Outcomes Rankins

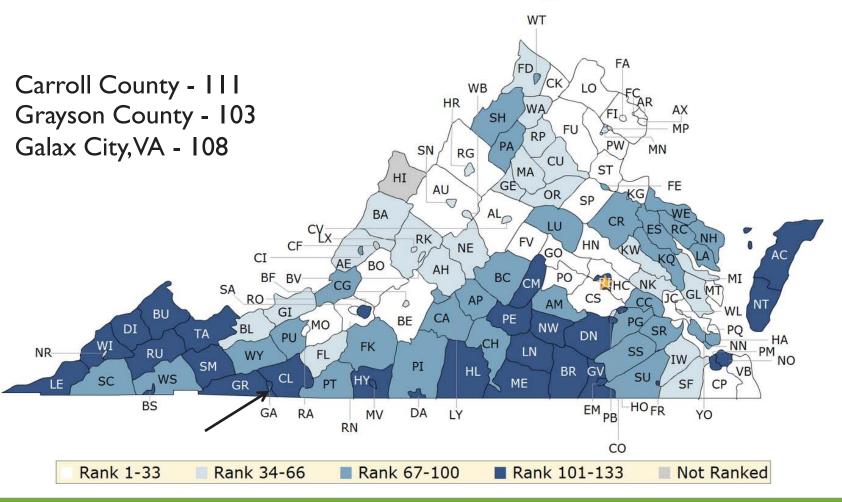
2013 Health Outcomes - Virginia





Virginia Health Factors Rankins

2013 Health Factors - Virginia





County Health Rankings

Rank out of 133 in Virginia and out of 100 for counties in North Carolina.

Selected Indicators	Overall Rank	Health Outcomes	Mortality	Morbidity	Health Factors	Health Behaviors	Clinical Care	Social & Economic Factors	Physical Environment
Carroll	89	67	79	52	111	121	105	101	106
Grayson	94	84	87	80	103	75	118	110	111
Galax City	94	79	104	50	108	83	57	126	36
Smyth	111	113	112	121	109	88	104	112	127
Wythe	97	106	96	114	87	85	96	80	95
Pulaski	106	119	114	125	93	93	86	81	117
Floyd	53	53	69	34	52	46	84	46	102
Patrick	88	83	83	81	92	82	. 112	88	83
Washington	82	96	89	98	68	63	73	51	126
Ashe*	45	42	31	58	47	23	81	67	25
Alleghany*	67	79	67	84	54	59	88	54	1
Surry*	56	61	66	50	51	56	74	46	31

^{*} Ashe, Alleghany, and Surry Counties are located in North Carolina

Health Factors: health behaviors, clinical care, social and economic, and the physical environment. Health Outcomes: how long people live (mortality) and how healthy people feel and low birth weight babies (morbidity).





County Health Rankings Measures

					Teen						
					Birth						
Selected					Rate per						
Indicators					1,000					Daily Fine	
	Low	Adult	Adult	Physical	female population,			HS	Un-	Part.	Fast Food
	Birthweight	Smoking	Obesity	Inactivity	ages 15-19	Diabetes	Uninsured	Graduation	Employmnt	Matter	Restaurants
Carroll	6.6%	33.8%	30.6%	30.4%	45.4	12.0%	20.3%	89.0%	9.3%	12.7	45.0%
Grayson	8.1%	23.7%	28.5%	28.5%	47.1	12.0%	19.6%	85.0%	10.3%	12.8	27.3%
Galax City	7.4%	0.0%	29.0%	26.0%	88.7	11.0%	20.4%	88.0%	10.1%	12.8	40.0%
Smyth	9.3%	23.8%	32.3%	24.6%	55.4	10.0%	16.4%	88.0%	9.7%	12.7	59.0%
Wythe	9.4%	28.3%	28.9%	25.9%	44.5	11.0%	18.6%	87.0%	7.8%	12.7	49.0%
Pulaski	9.5%	32.7%	26.6%	24.7%	50.1	11.0%	15.9%	87.0%	7.0%	12.6	66.7%
Floyd	6.8%	0.0%	27.5%	24.7%	29.6	11.0%	20.3%	92.0%	6.8%	12.6	40.0%
Patrick	8.3%	22.5%	29.9%	26.7%	36.5	12.0%	19.3%	94.0%	9.5%	12.6	40.9%
Washington	8.5%	25.2%	27.4%	29.9%	43.7	12.0%	16.8%	91.0%	7.9%	12.9	51.5%
Ashe*	8.5%	24.4%	23.0%	26.3%	56.6	9.0%	23.0%	80.0%	12.2%	13.0	41.5%
Alleghany*	9.2%	27.9%	25.0%	29.9%	57.2	11.0%	30.1%	86.0%	12.4%	12.9	29.4%
Surry*	8.3%	26.5%	31.4%	27.9%	49.3	13.0%	22.0%	85.0%	11.3%	12.8	45.5%

^{*} Ashe, Alleghany, and Surry Counties are located in North Carolina

Health Factors: health behaviors, clinical care, social and economic, and the physical environment. Health Outcomes: how long people live (mortality) and how healthy people feel and low birthweight babies (morbidity).



County Health Rankings Trend

Carroll County								
Category	2010	2011	2012	2013	Rank Change			
Health Outcomes Rank	84	77	79	67	17			
Health Factors Rank	118	111	102	111	7			
Health Behaviors Rank	130	127	117	121	9			
Clinical Care Rank	85	54	73	105	-20			
Category	2010	2011	2012	2013	% Change			
Mentally Unhealthy Days	5	4.4	4.3	3.7	-26.0%			
Premature Death Rates YPLL	425	416	429	458	7.8%			
% Smokers	36.8%	37.4%	33.2%	33.8%	-8.2%			
% Adult Obese	31.7%	29.9%	30.6%	30.6%	-3.5%			
Teen Birth Rate	50.5%	56.6%	49.7%	45.4%	-10.1%			
% Uninsured	16.8%	22.2%	18.1%	20.3%	20.8%			
% Diabetics	N/A	12.0%	12.0%	12.0%	N/A			
Violent Crime Rate	191	200.1	159.7	134.8	-29.4%			



County Health Rankings Trend

Grayson County									
Category	2010	2011	2012	2013	Rank Change				
Health Outcomes Rank	87	90	73	84	3				
Health Factors Rank	75	75	95	103	-28				
Health Behaviors Rank	32	47	62	75	-43				
Clinical Care Rank	92	35	119	118	-26				
Category	2010	2011	2012	2013	% Change				
Mentally Unhealthy Days	3.6	4	4.3	4.7	30.6%				
Premature Death Rates YPLL	278	277	255	256	-7.9%				
% Smokers	N/A	N/A	N/A	23.7	N/A				
% Adult Obese	24.9	26.6	28.5	28.5	14.5%				
Teen Birth Rate	47.7	56.5	50.6	47.1	-1.3%				
% Uninsured	17	20.2	18.3	19.6	15.3%				
% Diabetics	N/A	11.6	12	12	N/A				
Violent Crime Rate	126.1	130.8	137.9	152	20.5%				



County Health Rankings Trend

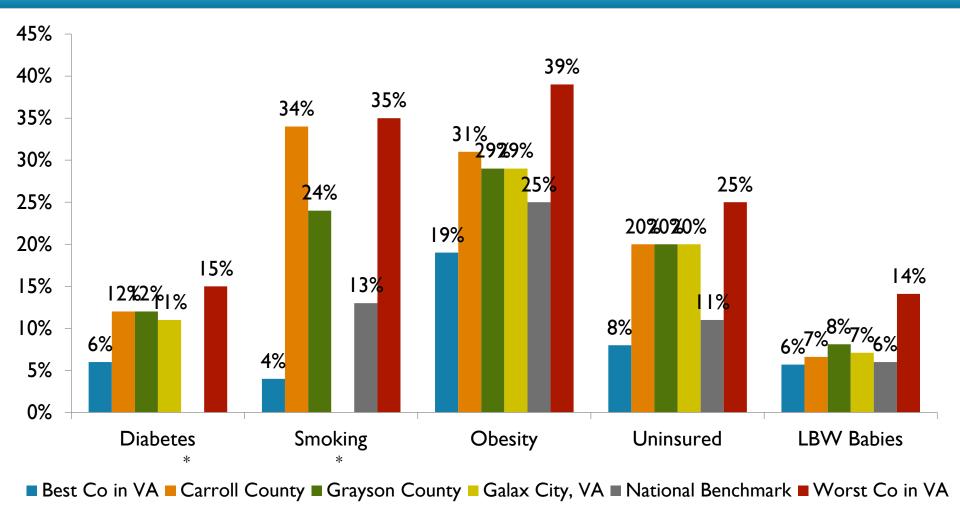
Galax City,VA									
Category	2011	2012	2013	Rank Change					
Health Outcomes Rank	76	84	79	-3					
Health Factors Rank	98	105	108	-10					
Health Behaviors Rank	63	70	83	-20					
Clinical Care Rank	113	107	57	56					
Category	2011	2012	2013	% Change					
Mentally Unhealthy Days	N/A	N/A	N/A	N/A					
Premature Death Rates YPLL	118	124	110	-6.8%					
% Smokers	N/A	N/A	N/A	N/A					
% Adult Obese	26.4	29	29	9.8%					
Teen Birth Rate	110.3	91.8	88.7	-19.6%					
% Uninsured	23.3	19.8	20.4	-12.4%					
% Diabetics	10.7	10.5	10.5	-1.9%					
Violent Crime Rate	391.4	424.3	421	7.6%					

*2010 data was not available





County Rankings Compared to VA and US

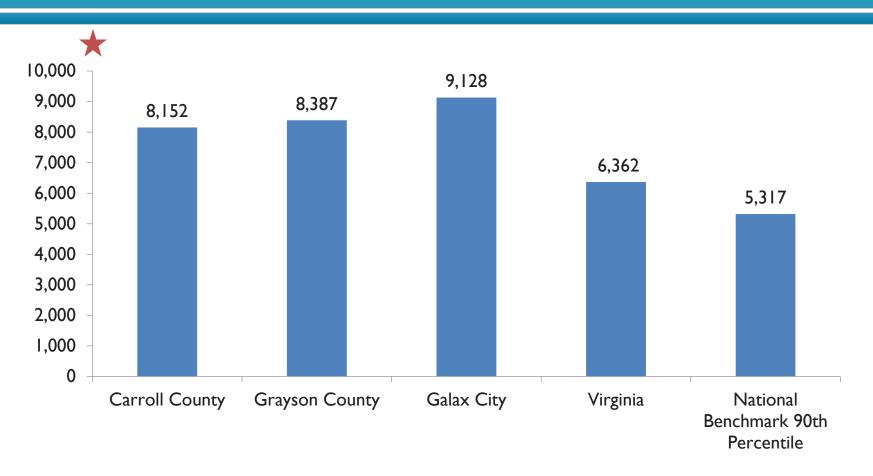


*No data available for specific health factor





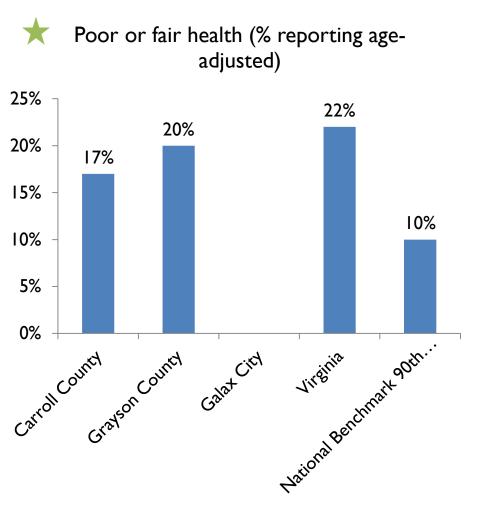
Mortality – Carroll-79, Grayson-87, Galax-104

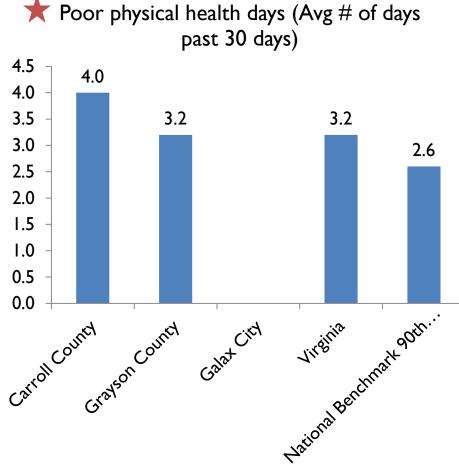


Years of potential life lost before age 75 per 100,000 population (age-adjusted)



Morbidity – 52, 80, 50





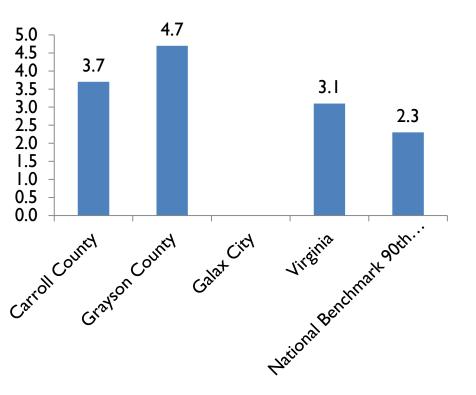
Morbidity Cont.

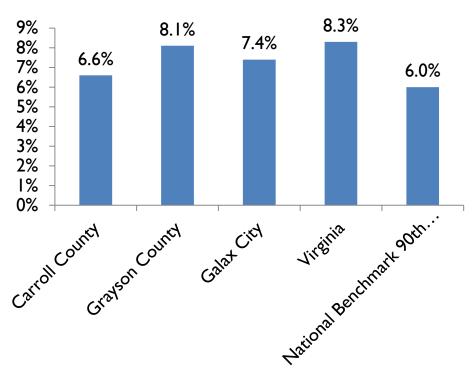


The Poor mental health days (Avg # of days) past 30 days)



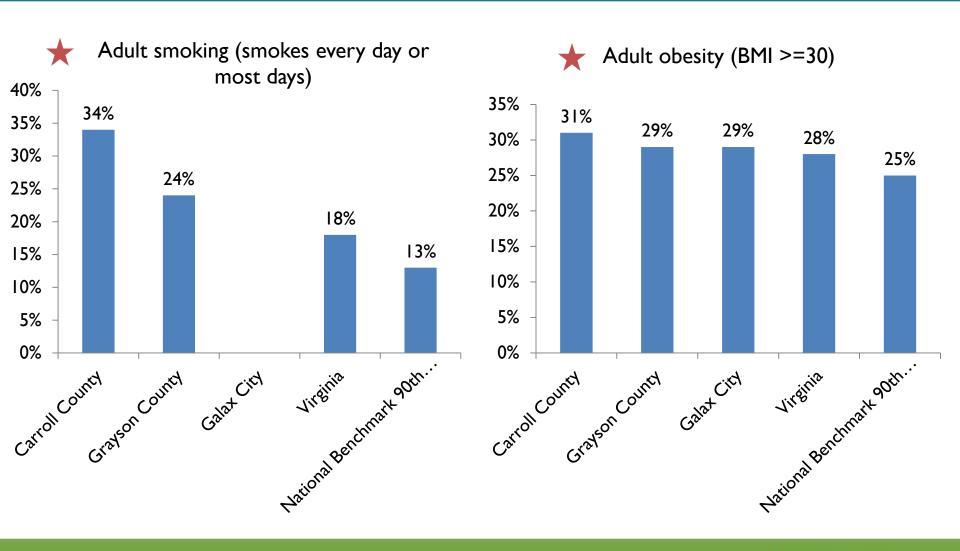
Low birthweight (% of live births with birthweight <2500 grams)



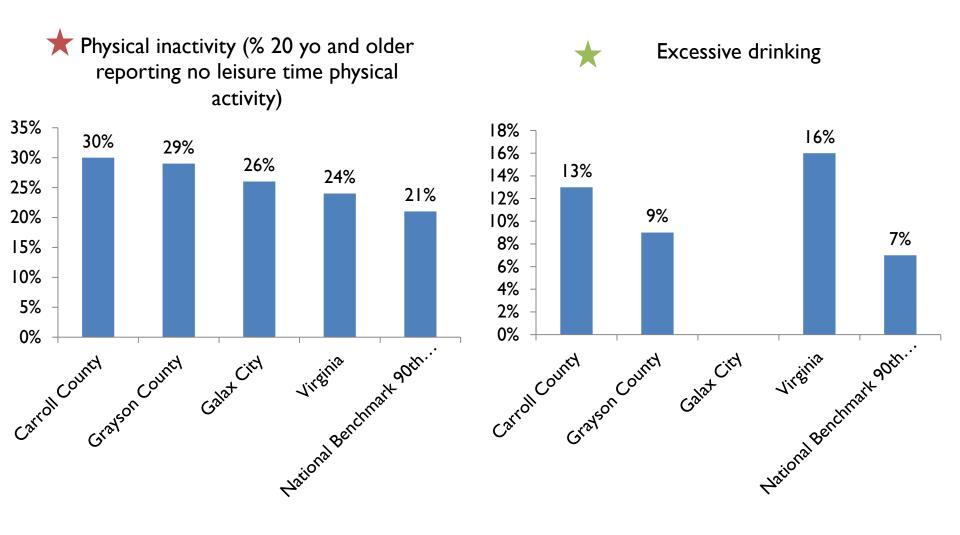




Health Behaviors – 121, 75, 83

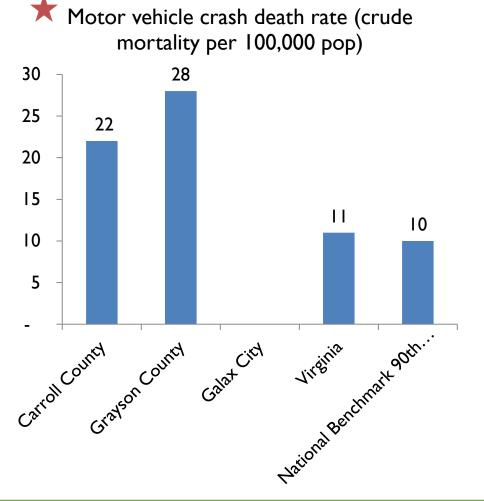


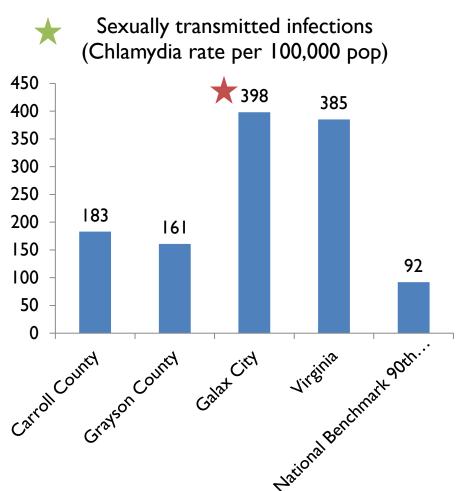
Health Behaviors Cont.





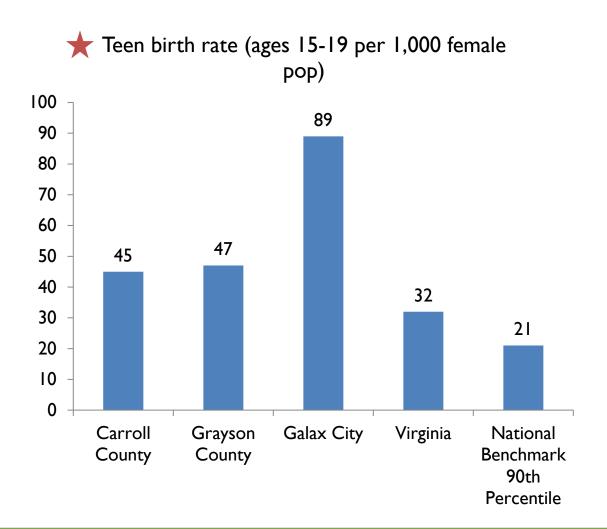
Health Behaviors Cont.





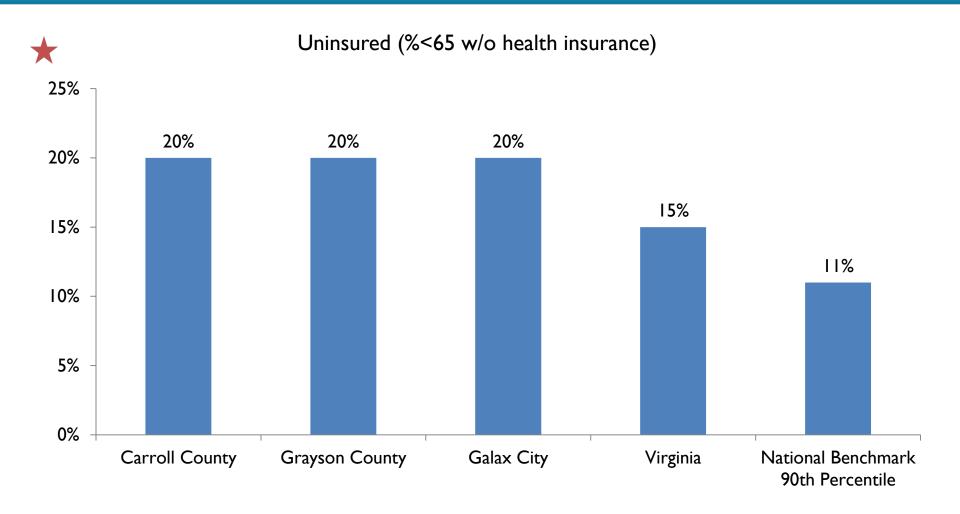


Health Behaviors Cont.



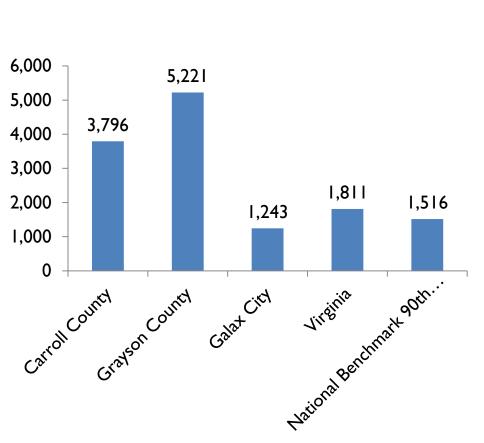


Clinical Care — 105, 118, 57





Clinical Care Cont.



Dentists (Pop per Dentist)

Preventable hospital stays (Hospitalization rate for ambulatorysensitive conditions per 1,000 Medicare enrollees)

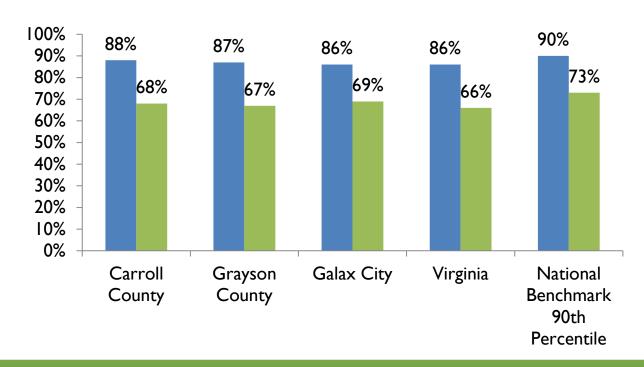
Clinical Care Cont.



Diabetic screening (%diabetic Medicare enrollees receiving HbA1c screening)



Mammography screening (%female Medicare enrollees receiving mammo screening)



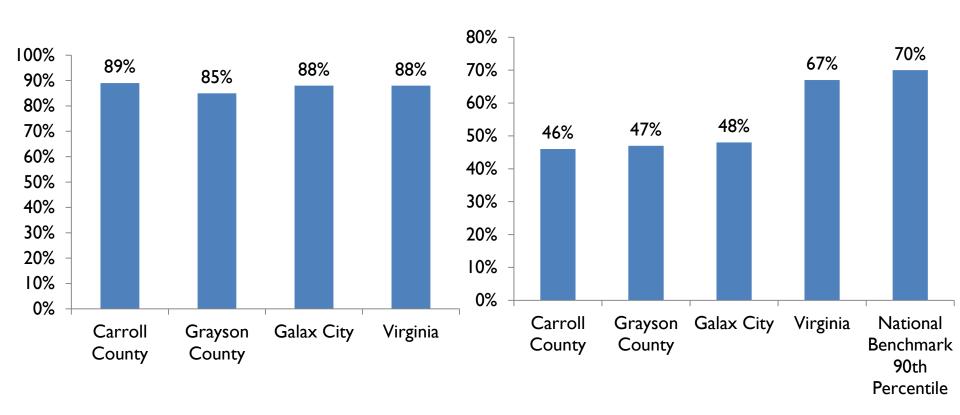


Social & Economic Factors – 101, 110, 126



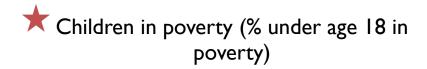
High school graduation (% of 9th grade cohort graduating in 4 yrs)

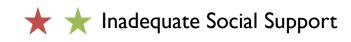
★ Some college (% of adults 35-44 w/ some postsecondary ed)

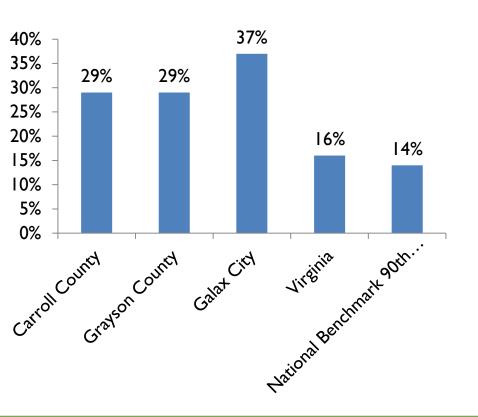


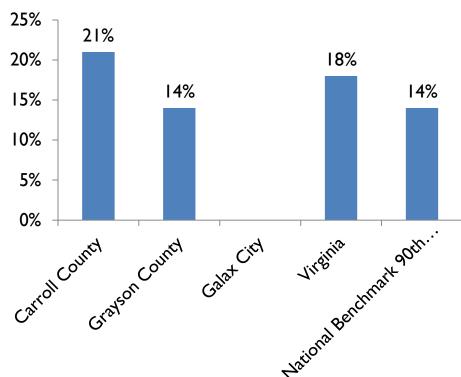


Social & Economic Factors Cont.



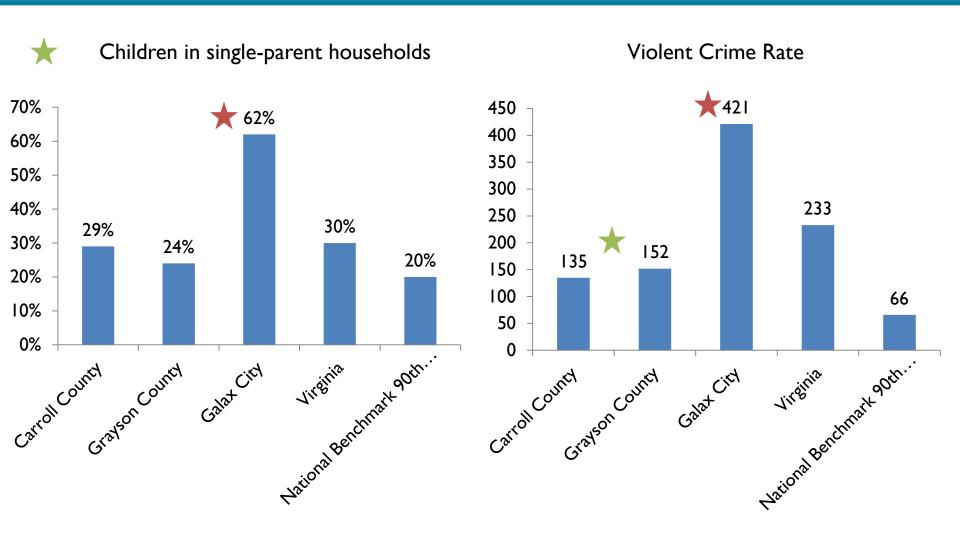




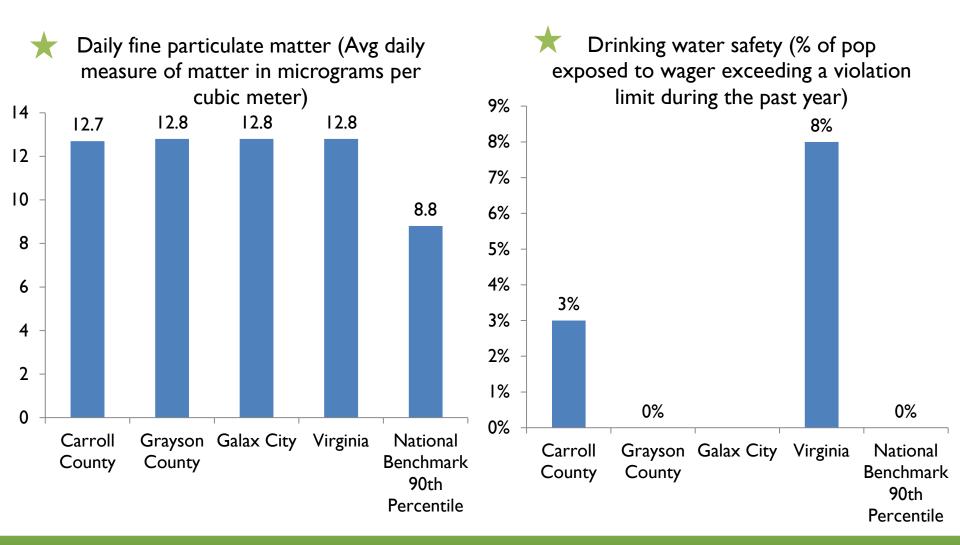




Social & Economic Factors Cont.



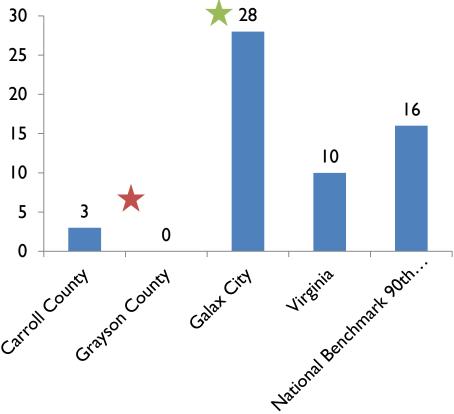
Physical Environment – 106, 111, 36

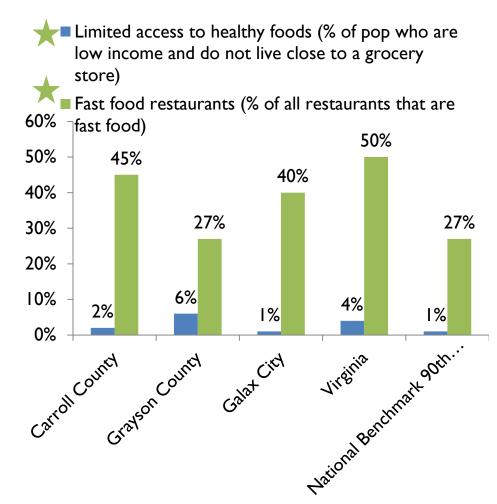




Physical Environment Cont.





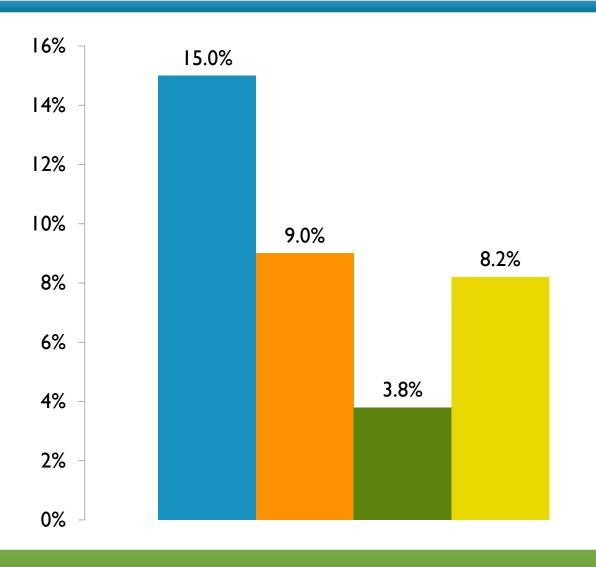




Top Health Issues — based on all data

- Lifestyle issues
 - Diet/Nutrition
 - Exercise/Activity
 - Smoking
- Uninsured, access to insurance and healthcare
- Socioeconomic Issues
 - Children in poverty
 - Post-secondary education
 - Low wages
- Teen birth rate
- Chronic diseases: Diabetes, Pulmonary, Heart Disease, Cancer rates
- Poor mental and physical health days

Youth Risk Behavior Survey VA – Tobacco Use

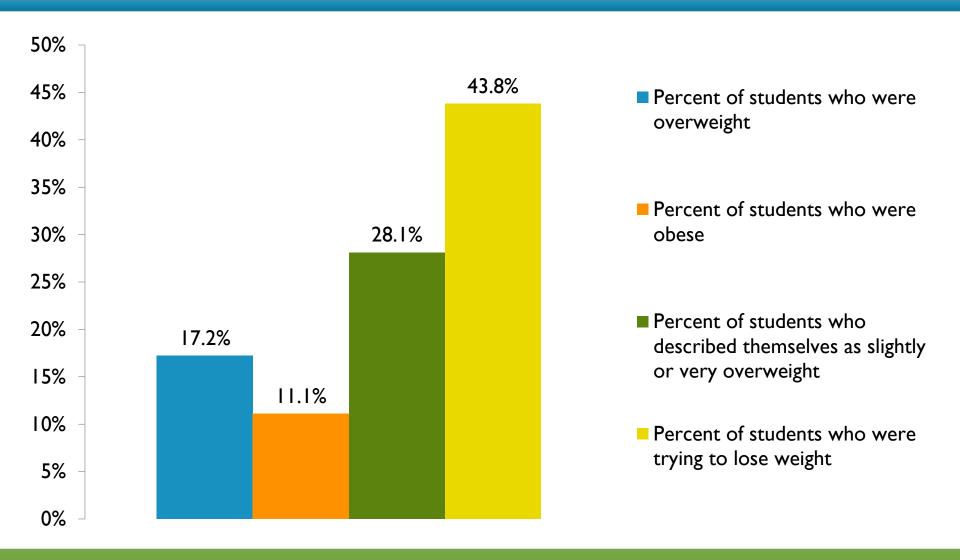


- Percent of students who smoked cigarettes on one or more of the past 30 days
- Percentage of youth who have ever smoked cigarettes daily (one cigarette per day per 30 days)
- Percent of students who smoked cigarettes on school property in the past 30 days
- Percent of students who used chewing tobacco, snuff, or dip one or more times in the past 30 days



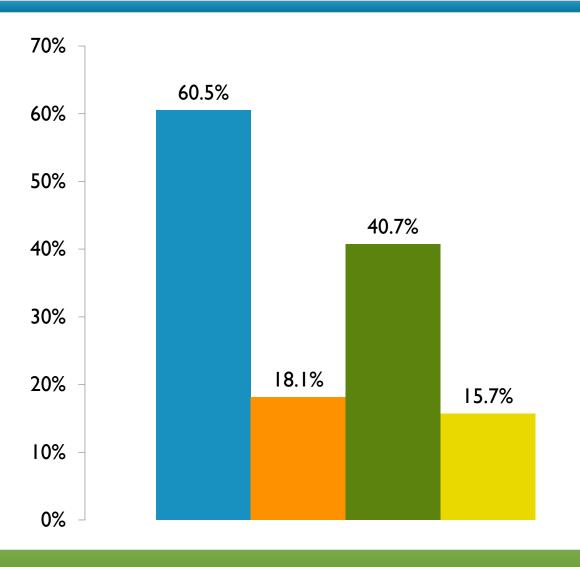
116

Youth Risk Behavior Survey VA – Overweight and Obese





Youth Risk Behavior Survey VA – Alcohol Use

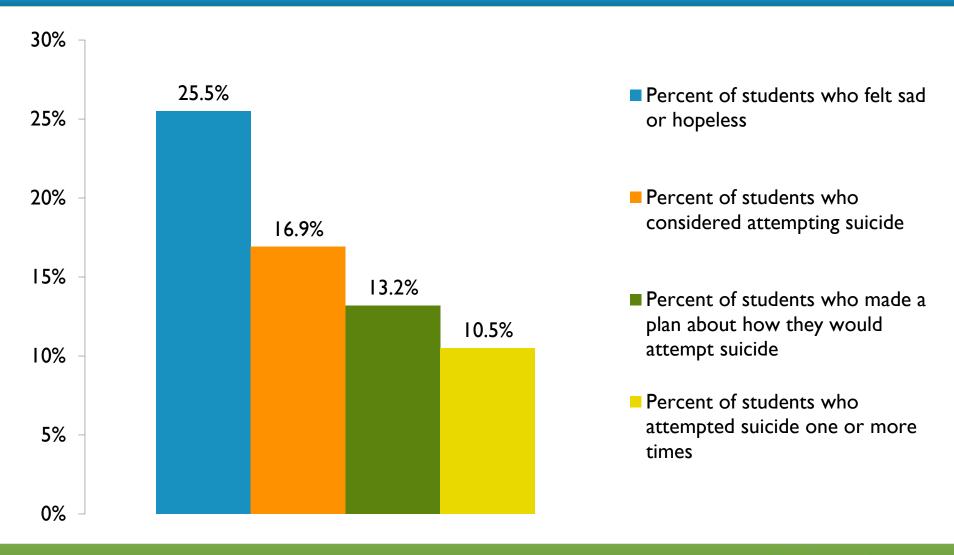


Percent of students who have had at least one drink of alcohol

- Percent of students who had their first drink of alcohol (more than a few sips) before age 13
- Percents of students who report current alcohol use, usually get the alcohol they drink from someone giving it to them
- Percent of students who had 5 or more drinks in a row, within a couple of hours, in the past 30 days

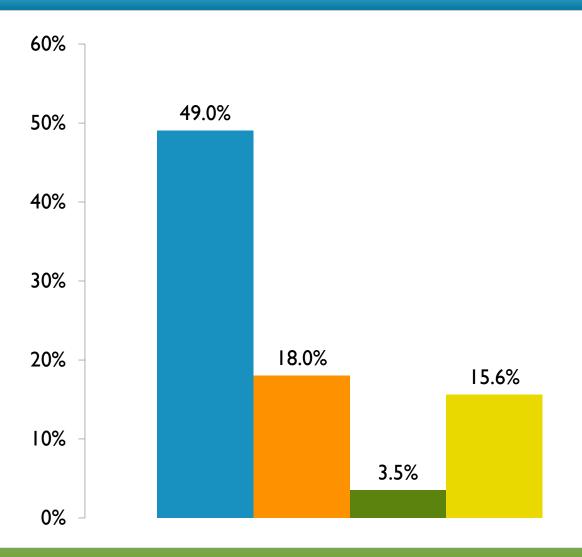


Youth Risk Behavior Survey VA – Depression





Youth Risk Behavior Survey VA – Drugs



- Percent of students who think people greatly risk harming themselves with regular marijuana use
- Percent of students who have used marijuana in the past 30 days
- Percent of students who have used marijuana on school property in the past 30 days
- Percent of students who have taken a prescription drug without a doctor's prescription during their lifetime



120



Health Issues -> Utilization

Community Health Issues	Utilization
Hypertension, HBP	Cardiology, Neurology
Diabetes	Endocrinology
Aging	Orthopedics
Smoking	Oncology, Pulmonary
Obesity	Bariatrics, Gastroenterology
Teen Pregnancy	OB, Neonatal

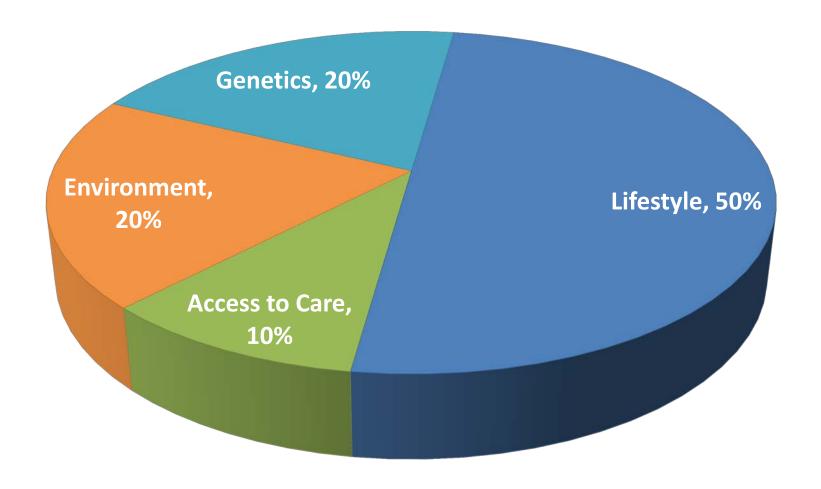
Top ER Visits
Abdominal Pain
Urinary tract infections
Otitis Media
Bronchitis
Upper respiratory infections

Twin County Utilization

Pulmonary
Behavioral Medicine
Medicine
Obstetrics
Gastroenterology
Cardiology
Neurology
Critical Care
Gynecology
General Surgery
Nephrology
Neonatal



Major Impacts on Healthiness



A SENSE of HEALTH

Changes in Fitness and Fatness on the Development or Cardiovascular Risk, Journal of American College of Cardiology, Feb 14, 2012

Risk factor burden in middle age predicts lifetime risk of Cardiovascular Death, New England Journal of Medicine, Jan 26, 2012

Assets and Opportunities

- Diversity of businesses and environment you live, work & play here
- The Twin County area population is declining and has a much older population than Virginia and the US
- The older population generates high demand for healthcare
- Generally, below average health in VA
 - Carroll County ranks 67 out of 133 counties for health in VA
 - Grayson County ranks 84 out of 133 counties for health in VA
 - Galax City ranks 79 out of 133 counties for health in VA
- Strengths: Carroll County's improving trend, fewer low birthweight babies, physical environment, high school graduation, primary care access
- Opportunities: economic issues, obesity, uninsured, smoking, postsecondary education, teen birth rate, youth alcohol use



Mission Statement

Mission:

To promote, preserve, and restore the health of our community.

Creating a Sense of Health

Galax Gaze

Sunday, January, 2019

Twin Counties and Galax Ci

The rankings for the 2018
County Health Rankings
were release yesterday
with Carroll and Grayson
Counties along with Galax
City ranking in the top
10% in the State of VA.
Nationally, the Twin
Counties have made
tremendous progress in
creating a sense of health
for the community. Twin
County Regional Hospital

working with community leaders, the County Health Department, not-for-profits, business and industry, government representatives and citizens has really changed the health status of the community. The rates of obesity, diabetes, and smoking have declined dramatically.

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"If there is hope in the future, there is power in the present"

John Maxwell

Exercise Instructions

Lee Ann Lambdin

Exercise I

- Please write down your top three health concerns from your own personal perspective, but in context to the whole community on the Sticky Notes provided. One concern per sticky note.
- Once you have written down your Top 3, please come up and stick them on the Board

Break

15 Minutes

Exercise 2

- You will be working with your table.
- On your table is a worksheet. We need three volunteers:
 - Scribe official record keeper
 - 2. Reporter will report the group's discussion
 - 3. Facilitator keep the group on track and on time

Sample

- Sample Goal Decrease the % of population with diabetes to 10% by 2017.
 - Program Action 1: Require all K-12 Schools to mandate physical education 45 minutes per day.
 - Program Action 2: For all "At Risk" individuals in hospitals or physician offices, enroll into "CD" Twin County Diabetes Personal Health Risk Assessment Program.
 - Responsible: Health Department, Hospital, Schools

9 Core Topics

- Obesity
- Diabetes
- Chronic Diseases heart disease, pulmonary, high blood pressure, cancer
- Economic issues
- Substance abuse and mental health
- Lifestyle behavior and education
- Access and Aging
- Family/Responsibility and Teen Pregnancy
- Smoking/Tobacco Use

Thank you

- Next Steps
 - Community Health Reports

Community Health Needs Assessment





