

**Report To:** Board of Health **Meeting Date:** July 21, 2016

**Staff Contact:** Nicki Aaker; (naaker@carson.org)

**Agenda Title:** Presentation Only: Presentation and discussion by Bruce Lockwood, Professional Research Consultants, Inc. of Carson Tahoe Health's 2016 Community Health Needs Assessment.

**Staff Summary:** Key findings and areas for opportunities from Carson Tahoe Health's 2016 Community Health Needs Assessment (CHNA) will be presented. The 2016 PRC Community Health Needs Assessment, a follow-up to a similar study conducted in 2010 and 2013, is a systematic, data-driven, approach to determining the health status, behaviors and needs of residents in the service area of the Carson Tahoe Health. PRC is a nationally-recognized healthcare consulting firm with extensive experience conducting CHNA in hundreds of communities across the United States since 1994.

Carson City Health and Human Services will conduct the Local Public Health System Performance Assessment in August which assesses the community public health system and community partnerships, which has a different focus than Carson Tahoe Health's CHNA. Both assessments will be used to develop CCHHS' next Community Health Improvement Plan.

**Agenda Action:** Other/Presentation **Time Requested:** 30 minutes

### **Proposed Motion**

Presentation and discussion only

## **Board's Strategic Goal**

Quality of Life

#### **Previous Action**

N/A

## **Background/Issues & Analysis**

N/A

#### Applicable Statute, Code, Policy, Rule or Regulation

N/A

Financial Information
Is there a fiscal impact?  Yes  No
If yes, account name/number:
Is it currently budgeted?  Yes  No
Explanation of Fiscal Impact:

# **Alternatives**

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# 2016 Community Health Needs Assessment

Executive Summary

# **Primary Service Area**

Prepared for:

**Carson Tahoe Health** 

By:

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## **Project Overview**

## **Project Goals**

This Community Health Needs Assessment, a follow-up to similar studies conducted regionally in 2010 and 2013, is a systematic, data-driven approach to determining the health status, behaviors and needs of residents in the primary service area of Carson Tahoe Health System (CTHS), a Nevada nonprofit corporation, and its wholly owned subsidiaries, Carson Tahoe Regional Healthcare (CTRH), a Nevada nonprofit corporation doing business as Carson Tahoe Regional Medical Center (CTRMC), Sierra Surgery Hospital, LLC (SSH), and Carson Tahoe Continuing Care Hospital, Inc. (CTCCH), a Delaware nonprofit corporation. Subsequently, this information may be used to inform decisions and guide efforts to improve community health and wellness.

## Methodology

This assessment incorporates data from both quantitative and qualitative sources. Quantitative data input includes primary research (the PRC Community Health Survey) and secondary research (vital statistics and other existing health-related data); these quantitative components allow for trending and comparison to benchmark data at the state and national levels. Qualitative data input includes primary research gathered through an Online Key Informant Survey.

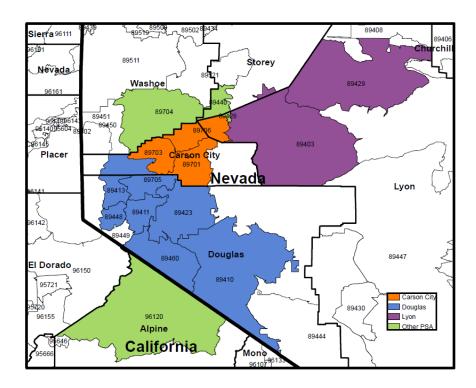
## **PRC Community Health Survey**

#### Survey Instrument

The survey instrument used for this study is based largely on the Centers for Disease Control and Prevention (CDC) Behavioral Risk Factor Surveillance System (BRFSS), as well as various other public health surveys and customized questions addressing gaps in indicator data relative to health promotion and disease prevention objectives and other recognized health issues. The final survey instrument was developed by Carson Tahoe Health and PRC, and is similar to the previous surveys used in the region, allowing for data trending.

#### Community Defined for This Assessment

The study area for the survey effort (referred to as the "Primary Service Area" in this report) includes residential ZIP Codes in Carson City and portions of Douglas County, Lyon County, and adjacent areas. This community definition, determined based on the ZIP Codes of residence of recent patients of Carson Tahoe Health, is illustrated in the following map.



#### Sample Approach & Design

A precise and carefully executed methodology is critical in asserting the validity of the results gathered in the *PRC Community Health Survey*. Thus, to ensure the best representation of the population surveyed, a telephone interview methodology — one that incorporates both landline and cell phone interviews — was employed. The primary advantages of telephone interviewing are timeliness, efficiency, and random-selection capabilities.

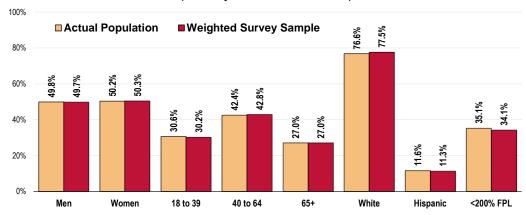
The sample design used for this effort consisted of a random sample of 800 individuals age 18 and older in the Primary Service Area, resulting in 338 surveys in Carson City, 271 in Douglas County, 150 in Lyon County, and 41 in other areas. All administration of the surveys, data collection and data analysis was conducted by Professional Research Consultants, Inc. (PRC).

For statistical purposes, the maximum rate of error associated with a sample size of 800 respondents is ±3.5% at the 95 percent level of confidence.

The following chart outlines the characteristics of the Primary Service Area sample for key demographic variables, compared to actual population characteristics revealed in census data. [Note that the sample consisted solely of area residents age 18 and older; data on children were given by proxy by the person most responsible for that child's healthcare needs, and these children are not represented demographically in this chart.]

## **Population & Survey Sample Characteristics**

(Primary Service Area, 2016)



Sources: • Census 2010, Summary File 3 (SF 3). US Census Bureau

2016 PRC Community Health Survey, Professional Research Consultants, Inc.

The sample design and the quality control procedures used in the data collection ensure that the sample is representative. Thus, the findings may be generalized to the total population of community members in the defined area with a high degree of confidence.

#### **Online Key Informant Survey**

To solicit input from key informants, those individuals who have a broad interest in the health of the community, an Online Key Informant Survey was also implemented as part of this process. A list of recommended participants was provided by Carson Tahoe Health; this list included names and contact information for physicians, public health representatives, other health professionals, social service providers, and a variety of other community leaders. Potential participants were chosen because of their ability to identify primary concerns of the populations with whom they work, as well as of the community overall. In all, 136 community stakeholders took part in the Online Key Informant Survey, as outlined below:

#### Public Health, Vital Statistics & Other Data

A variety of existing (secondary) data sources was consulted to complement the research quality of this Community Health Needs Assessment. Data for the Primary Service Area (Carson City, Douglas County, Lyon County) were obtained from the following sources (specific citations are included with the graphs throughout this report):

- Center for Applied Research and Environmental Systems (CARES)
- Centers for Disease Control & Prevention, Office of Infectious Disease, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
- Centers for Disease Control & Prevention, Office of Public Health Science Services,
   Center for Surveillance, Epidemiology and Laboratory Services, Division of Health
   Informatics and Surveillance (DHIS)
- Centers for Disease Control & Prevention, Office of Public Health Science Services,

#### National Center for Health Statistics

- Community Commons
- ESRI ArcGIS Map Gallery
- National Cancer Institute, State Cancer Profiles
- OpenStreetMap (OSM)
- US Census Bureau, American Community Survey
- US Census Bureau, County Business Patterns
- US Census Bureau, Decennial Census
- US Department of Agriculture, Economic Research Service
- US Department of Health & Human Services
- US Department of Health & Human Services, Health Resources and Services Administration (HRSA)
- US Department of Justice, Federal Bureau of Investigation
- US Department of Labor, Bureau of Labor Statistics

Note that secondary data reflect compilations of city- and county-level data.

#### **Benchmark Data**

#### **Trending**

Similar surveys were administered in the Primary Service Area in 2010 and 2013 by PRC on behalf of Carson Tahoe Regional Medical Center. Trending data, as revealed by comparison to prior survey results, are provided throughout this report whenever available. Historical data for secondary data indicators are also included for the purposes of trending.

#### Nevada Risk Factor Data

Statewide risk factor data are provided where available as an additional benchmark against which to compare local survey findings; these data represent the most recent *BRFSS* (*Behavioral Risk Factor Surveillance System*) *Prevalence and Trends Data* published online by the Centers for Disease Control and Prevention. State-level vital statistics are also provided for comparison of secondary data indicators.

#### Nationwide Risk Factor Data

Nationwide risk factor data, which are also provided in comparison charts, are taken from the 2015 PRC National Health Survey; the methodological approach for the national study is identical to that employed in this assessment, and these data may be generalized to the US population with a high degree of confidence. National-level vital statistics are also provided for comparison of secondary data indicators.

#### Healthy People 2020

Healthy People provides science-based, 10-year national objectives for improving the health of all Americans. For three decades, Healthy People has established benchmarks and



monitored progress over time in order to: encourage collaborations across communities and sectors; empower individuals toward making informed health decisions; and measure the impact of prevention activities.

#### Healthy People strives to:

- Identify nationwide health improvement priorities.
- Increase public awareness and understanding of the determinants of health, disease, and disability and the opportunities for progress.
- Provide measurable objectives and goals that are applicable at the national, State, and local levels.
- Engage multiple sectors to take actions to strengthen policies and improve practices that are driven by the best available evidence and knowledge.
- Identify critical research, evaluation, and data collection needs.

#### **Determining Significance**

Differences noted in this report represent those determined to be significant. For survey-derived indicators (which are subject to sampling error), statistical significance is determined based on confidence intervals (at the 95 percent confidence level) using question-specific samples and response rates. For secondary data indicators (which do not carry sampling error, but might be subject to reporting error), "significance," for the purpose of this report, is determined by a 5% variation from the comparative measure.

# **Summary of Findings**

## **Significant Health Needs of the Community**

The following "areas of opportunity" represent the significant health needs of the community, based on the information gathered through this Community Health Needs Assessment and the guidelines set forth in Healthy People 2020. From these data, opportunities for health improvement exist in the area with regard to the following health issues (see also the summary tables presented in the following section).

The Areas of Opportunity were determined after consideration of various criteria, including: standing in comparison with benchmark data (particularly national data); identified trends; the preponderance of significant findings within topic areas; the magnitude of the issue in terms of the number of persons affected; and the potential health impact of a given issue.

Areas of Opportunity Identified Through This Assessment				
Barriers to Access				
Cancer	<ul> <li>Cancer is a leading cause of death.</li> <li>Colorectal and Female Breast Cancer Deaths</li> <li>Skin Cancer Prevalence</li> <li>Female Breast Cancer Screening</li> <li>Cervical Cancer Screening</li> </ul>			
Dementia, Including Alzheimer's Disease	Alzheimer's Disease Deaths			
Diabetes	<ul> <li>Prevalence of Borderline/Pre-Diabetes</li> <li>Diabetes ranked as a top concern in the Online Key Informant Survey.</li> </ul>			
Heart Disease & Stroke	<ul><li>Cardiovascular disease is a leading cause of death.</li><li>High Blood Cholesterol Management</li></ul>			
Infant Health & Family Planning	Infant Mortality			
Injury & Violence	<ul> <li>Unintentional Injury Deaths</li> <li>Including Motor Vehicle Crash Deaths</li> <li>Firearm-Related Deaths</li> </ul>			

—continued on next page—

Areas of Opportunity (continued)				
Mental Health	<ul> <li>"Fair/Poor" Mental Health</li> <li>Suicide Deaths</li> <li>Mental Health ranked as a top concern in the Online Key Informant Survey.</li> </ul>			
Nutrition, Physical Activity & Weight	<ul><li>Fruit/Vegetable Consumption</li><li>Low Food Access</li><li>Obesity [Adults]</li><li>Healthy Weight [Children]</li></ul>			
Oral Health	Dental Insurance Coverage			
Potentially Disabling Conditions	<ul><li>Activity Limitations</li><li>Sciatica/Back Pain Prevalence</li><li>Caregiver</li></ul>			
Respiratory Diseases	<ul> <li>Chronic Lower Respiratory Disease (CLRD) Deaths</li> <li>Chronic Obstructive Pulmonary Disease (COPD) Prevalence</li> <li>Flu Vaccination [65+]</li> </ul>			
Substance Abuse	<ul> <li>Cirrhosis/Liver Disease Deaths</li> <li>Drug-Induced Deaths</li> <li>Personally Impacted by Substance Abuse (Self or Other's)</li> <li>Seeking Help for Alcohol/Drug Issues</li> <li>Substance Abuse ranked as a top concern in the Online Key Informant Survey.</li> </ul>			

# TREND SUMMARY (Current vs. Baseline Data)

Survey Data Indicators: Trends for survey-derived indicators represent significant changes since 2010. Note that survey data reflect the ZIP Code-defined Primary Service Area.

Other (Secondary) Data Indicators: Trends for other indicators (e.g., public health data) represent point-to-point changes between the most current reporting period and the earliest presented in this report (typically representing the span of roughly a decade).

Note that secondary data reflect composite city- and county-level data.

## **Summary Tables: Comparisons With Benchmark Data**

The following tables provide an overview of indicators in the Primary Service Area of Carson Tahoe Health, including comparisons among the individual communities, as well as trend data. These data are grouped to correspond with the Focus Areas presented in Healthy People 2020.

#### Reading the Summary Tables

- In the following charts, Primary Service Area (PSA) results are shown in the larger, blue column.
- The green columns [to the left of the Primary Service Area (PSA) column] provide comparisons among the 3 communities, identifying differences for each as "better than" (⑤), "worse than" (⑥), or "similar to" (⑥) the combined opposing areas.
- The columns to the right of the Primary Service Area (PSA) column provide trending, as well as comparisons between local data and any available state and national findings, and Healthy People 2020 targets. Again, symbols indicate whether Primary Service Area compares favorably (③), unfavorably (⑥), or comparably (△) to these external data.

Note that blank table cells signify that data are not available or are not reliable for that area and/or for that indicator.

	Each S	Each Sub-Area vs. Others		
Social Determinants	Carson City	Douglas County	Lyon County	
Linguistically Isolated Population (Percent)	6.7	1.4	1.3	
Population in Poverty (Percent)	17.1	10.5	14.9	
Population Below 200% FPL (Percent)	37.5	27.7	39.5	
Children Below 200% FPL (Percent)	51.6	36.5	52.2	
No High School Diploma (Age 25+, Percent)	13.2	7.0	15.7	
Unemployment Rate (Age 16+, Percent)	8.5	7.9	10.1	
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.			

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
3.2					
	6.5	4.7			
14.3					
	15.6	15.6			
35.1					
	36.6	34.5			
47.7					
	49.0	44.2			
12.0					
	15.2	13.7			
8.8					
	7.9	6.2			
		给			
	better	similar	worse		

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Overall Health	Carson City	Douglas County	Lyon County
% "Fair/Poor" Physical Health			();
	21.8	19.8	21.9
% Activity Limitations			
	29.6	23.7	34.8
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
20.8					
	18.5	18.3		15.6	
28.4					
	20.2	20.0		25.8	
	better	similar	worse		

Access to Health Services	Carson City	Douglas County	Lyon County
% [Age 18-64] Lack Health Insurance	<b>***</b> *********************************		
	17.2	8.9	8.0
% [Insured 18-64] have Coverage Through ACA	岩		
	12.6	16.3	16.9
% Difficulty Accessing Healthcare in Past Year (Composite)	给		
	46.6	39.6	48.6
% Inconvenient Hrs Prevented Dr Visit in Past Year	岩	给	
	12.1	12.2	16.3
% Cost Prevented Getting Prescription in Past Year	会		
	16.7	9.2	16.3
% Cost Prevented Physician Visit in Past Year	岩	会	
	15.8	14.5	20.9

	PSA vs. Benchmarks			
PSA	vs. NV	vs. US	vs. HP2020	TREND
11.4				
	20.8	10.1	0.0	18.8
14.5				
		10.8		
44.3				
		35.0		40.4
13.3				
		14.4		12.1
14.2				
		9.5		16.3
16.3				
		11.5		18.3

Fach	Sub-	Area v	s. Others

Access to Health Services (continued)	Carson City	Douglas County	Lyon County
% Difficulty Getting Appointment in Past Year	£ 4	£	£
V 5/5 / 1 5	25.4	23.3	23.7
% Difficulty Finding Physician in Past Year	£	£	£
	13.2	18.0	15.7
% Transportation Hindered Dr Visit in Past Year	<b>***</b> *********************************		
	9.5	3.3	5.7
% Language/Culture Prevented Care in Past Year	会		
	0.4	0.8	0.8
% Skipped Prescription Doses to Save Costs	岩		
	16.8	15.0	11.0
% Difficulty Getting Child's Healthcare in Past Year			
% Have Completed Advance Directive Documents	给		
	41.4	46.9	41.0
% Low Health Literacy	给		
	11.4	16.1	20.1
Primary Care Doctors per 100,000			
	80.2	63.8	15.6
% [Age 18+] Have a Specific Source of Ongoing Care	含		
	73.4	69.9	73.5

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
24.3		15.4		14.3	
15.8		8.7		10.9	
6.5		<i>≨</i> 3.0		<i>€</i> 3.4	
0.6		1.7			
15.4		10.2		<i>∕</i> ≳ 18.9	
6.2		<i>€</i> 3.9		<i>€</i> 3 4.7	
43.2		33.7			
18.2		23.3			
53.5	56.3	74.5			
71.9		<i>∕</i> 2 74.0	95.0	<i>∕</i> ≃ 70.9	

Each	Sub-Area	vs. Others
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Access to Health Services (continued)	Carson City	Douglas County	Lyon County
% [Age 18-64] Have a Specific Source of Ongoing Care	给		()
	71.9	62.6	74.1
% [Age 65+] Have a Specific Source of Ongoing Care	会		
	79.1	84.5	69.8
% Have Had Routine Checkup in Past Year	给		
	65.7	67.0	74.1
% Child Has Had Checkup in Past Year			
% Two or More ER Visits in Past Year	给		
	8.2	8.2	13.5
% Rate Local Healthcare "Fair/Poor"	会		
	15.5	13.0	22.2
% Member of HH Received Inpatient Care/2 Yrs	给		
	37.3	32.0	35.4
% Member of HH Received Long-Term Acute Care/3 Yrs	会		
	3.4	4.1	6.4
% Use Social Media to Find Local Healthcare Info	会		
	18.5	15.1	21.1

	PSA	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND		
69.0						
		73.1	89.4			
78.9						
		76.8	100.0			
68.4						
	63.8	70.5		57.1		
79.2						
		89.3		80.1		
9.1						
		8.5		6.6		
15.5						
		14.2		16.4		
34.3						
				32.9		
4.7						
				3.8		
17.4						
				9.9		

	Each Sub-Area vs. Others			
Arthritis, Osteoporosis & Chronic Back Conditions	Carson City	Douglas County	Lyon County	
% [50+] Arthritis/Rheumatism		É		
	34.6	32.9	43.3	
% Sciatica/Chronic Back Pain	会			
	24.1	25.7	37.3	
% Caregiver to a Friend/Family Member				
	22.8	28.9	30.7	
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.			

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
35.5				D3	
		32.0		37.4	
27.3					
		19.4		22.7	
27.1					
		20.9			
	better	similar	worse		

	Each S	Each Sub-Area vs. Others			
Cancer	Carson City	Douglas County	Lyon County		
Cancer (Age-Adjusted Death Rate)	183.0	131.3	182.0		
Lung Cancer (Age-Adjusted Death Rate)					
Prostate Cancer (Age-Adjusted Death Rate)					
Female Breast Cancer (Age-Adjusted Death Rate)					
Colorectal Cancer (Age-Adjusted Death Rate)					
% Skin Cancer	£3 11.4	<i>≨</i> 3 14.5	<i>≦</i> 3 11.6		
% Cancer (Other Than Skin)	6.6	8.8	9.1		
% [Men 50+] Prostate Exam in Past 2 Years	<i>€</i> 3 76.4	<i>€</i> 3 81.7	<i>€</i> 3 84.1		
% [Women 50-74] Mammogram in Past 2 Years	<i>€</i> 3 69.7	<i>€</i> 3 67.7	<i>€</i> 3 65.8		
% [Women 21-65] Pap Smear in Past 3 Years	<i>€</i> 65.2	77.8	<i>€</i> 3 60.1		
% [Age 50+] Sigmoid/Colonoscopy Ever	会				
	74.4	80.1	75.2		

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
165.2	€ 164.2	<i>≦</i> 3.6	<i>≦</i> 161.4	199.5	
45.4	<i>←</i> 45.6	<i>€</i> 3.4	<i>€</i> 3 45.5		
17.8	21.0	19.2	21.8		
23.4	22.2	20.9	20.7		
17.5	<i>∕</i> ≏ 16.9	14.6	14.5		
12.7	6.3	7.7			
7.9	<i>≨</i> ≏ 5.9	<i>₹</i> 3 7.7		<i>₹</i> 7.8	
79.1		<i>₹</i> 3 75.0		<i>☆</i> 77.1	
68.5	<i>∕</i> ≏ 72.1	80.3	81.1	80.0	
68.9	78.1	84.8	93.0	79.6	
76.1	63.0	75.6		68.0	

Fach	ı Sub.	.∆rea	ve	Others
Laci	ı oub	-Al Ca	v	OHIELD

Cancer (continued)	Carson City	Douglas County	Lyon County
% [Age 50+] Blood Stool Test in Past 2 Years			
	24.1	22.7	29.8
% [Age 50-75] Colorectal Cancer Screening	£		
	69.9	75.8	76.1
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
24.4	17.0	31.8		29.8	
73.1		<i>∕</i> ≤3 74.5	<i>∕</i> ≘ 70.5	<i>€</i> 3 68.5	
	better	similar	worse	33.0	

Chronic Kidney Disease	Carson City	Douglas County	Lyon County
Kidney Disease (Age-Adjusted Death Rate)			
	11.4	10.0	
% Kidney Disease			给
	2.3	3.3	3.1
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
10.3					
	13.5	13.2		14.8	
2.9					
	3.2	3.6			
		<u></u>			
l I	better	similar	worse		

	Each Sub-Area vs. Others		
Dementias, Including Alzheimer's Disease	Carson City	Douglas County	Lyon County
Alzheimer's Disease (Age-Adjusted Death Rate)	37.2	27.4	25.3
% [Age 45+] Increasing Confusion/Memory Loss in Past Yr	<i>≦</i> 15.8	<i>≦</i> 15.3	<i>≦</i> 14.6
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		e tables, a blank or ble for this indicator

	PSA	arks		
PSA	vs. NV	vs. US	vs. HP2020	TREND
30.7				
	19.2	24.2		20.0
15.3				
		12.8		
		会		
	better	similar	worse	

	Each Sub-Area vs. Others		
Diabetes	Carson City	Douglas County	Lyon County
Diabetes Mellitus (Age-Adjusted Death Rate)			
	22.6	10.5	35.6
% Diabetes/High Blood Sugar			
	13.9	9.9	16.2
% Borderline/Pre-Diabetes			
	9.3	9.3	9.5
% [Non-Diabetes] Blood Sugar Tested in Past 3 Years			
	50.4	51.1	63.7
% [Adults w/Diabetes] Taking Insulin			
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

_	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
21.9				
	14.0	21.1	20.5	22.6
12.7				
	9.6	14.5		12.4
9.3				
		5.7		
52.9				
		55.1		
85.5				
				81.4
	better	similar	worse	

Educational & Community-Based Programs	Carson City	Douglas County	Lyon County
% Attended Health Event in Past Year		£	j D3
	12.9	18.6	17.0
	all other areas con empty cell indicates	section, each subarea is abined. Throughout these is that data are not availat sizes are too small to pro- results.	e tables, a blank or ole for this indicator

	PSA vs. Benchmarks				PSA vs. Benchmarks		
PSA	vs. NV	TREND					
16.2				(J.)			
		23.8		17.7			
	better	similar	worse				

Family Planning	Carson City	Douglas County	Lyon County
Teen Births per 1,000 (Age 15-19)	50.7	18.9	39.4
	Note: In the green section, each subarea is compared agai all other areas combined. Throughout these tables, a blank empty cell indicates that data are not available for this indica or that sample sizes are too small to provide meaningful results.		e tables, a blank or ble for this indicator

	PSA vs. Benchmarks						
PSA	vs. NV	vs. NV vs. US vs. HP2020					
37.4							
	43.6	36.6		48.3			
	better	similar	worse				

Heart Disease & Stroke	Carson City	Douglas County	Lyon County
Diseases of the Heart (Age-Adjusted Death Rate)	191.5	145.6	180.4
Stroke (Age-Adjusted Death Rate)	<i>≨</i> 39.3	33.5	41.6
% Heart Disease (Heart Attack, Angina, Coronary Disease)			
	8.9	9.1	6.7

	PSA			
PSA	vs. NV	TREND		
172.5		给		
	194.9	169.1	156.9	203.9
37.7		会		<b>*</b>
	33.8	36.5	34.8	43.9
8.4				含
		6.9		10.6

	Each Sub-Area vs. Others			
Heart Disease & Stroke (continued)	Carson City	Douglas County	Lyon County	
% Stroke	岩			
	4.0	3.0	6.1	
% Blood Pressure Checked in Past 2 Years	给			
	89.3	92.5	93.4	
% Told Have High Blood Pressure (Ever)	给			
	37.8	41.3	40.3	
% [HBP] Taking Action to Control High Blood Pressure	岩			
	93.0	86.6	92.9	
% Cholesterol Checked in Past 5 Years				
	94.7	88.9	94.8	
% Told Have High Cholesterol (Ever)	给		给	
	35.6	32.9	37.3	
% [HBC] Taking Action to Control High Blood Cholesterol	岩			
	82.8	85.9	89.2	
% 1+ Cardiovascular Risk Factor	会			
	85.4	84.0	91.7	
	all other areas cor empty cell indicate	section, each subarea is nbined. Throughout thes s that data are not availa sizes are too small to pro results.	e tables, a blank or ble for this indicator	

	PSA vs. Benchmarks					
PSA	vs. NV	vs. NV vs. US vs. HP2020				
4.0						
	3.2	2.6		2.8		
91.4						
		93.6	92.6	92.6		
39.1		给		会		
	30.6	36.5	26.9	36.3		
90.5		给		含		
		92.5		92.4		
92.1						
	74.0	87.4	82.1	83.9		
34.7						
		33.5	13.5	36.6		
84.6		给				
		84.2		90.4		
85.9						
		83.0		83.8		
		쓤				
	better	similar	worse			

Fac	h Su	h-Ar	ea ve	: Ot	hers

HIV	Carson City	Douglas County	Lyon County
HIV Prevalence per 100,000	330.0	<b>85.1</b>	80.9
% [Age 18-44] HIV Test in the Past Year			
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks					
PSA	vs. NV	vs. US	vs. HP2020	TREND		
170.2	331.8	353.2				
19.3	301.0	21.3		£ 18.9		
	better	similar	worse			

Immunization & Infectious Diseases	Carson City	Douglas County	Lyon County
% [Age 65+] Flu Vaccine in Past Year	会	给	
	55.1	53.3	30.5
% [Age 65+] Pneumonia Vaccine Ever	给	给	
	83.3	82.8	66.9
	all other areas con empty cell indicate	section, each subarea is nbined. Throughout these s that data are not availal sizes are too small to pro- results.	e tables, a blank or ble for this indicator

	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
49.4				
	52.9	58.9	70.0	68.3
79.0				
	71.0	76.3	90.0	67.3
		ớ		
	better	similar	worse	

	Each Sub-Area vs. Others		
Injury & Violence Prevention	Carson City	Douglas County	Lyon County
Unintentional Injury (Age-Adjusted Death Rate)	48.5	42.2	<i>€</i> 3 44.8
Motor Vehicle Crashes (Age-Adjusted Death Rate)			
% Child [Age 0-17] "Always" Uses Seat Belt/Car Seat			
% Child [Age 5-17] "Always" Wears Bicycle Helmet			
[65+] Falls (Age-Adjusted Death Rate)			
Firearm-Related Deaths (Age-Adjusted Death Rate)	<i>≦</i> 18.5	14.7	26.6
Homicide (Age-Adjusted Death Rate)			
Violent Crime per 100,000	264.4	121.9	244.0
	all other areas cor empty cell indicate	n section, each subarea is mbined. Throughout thes is that data are not availa sizes are too small to pro results.	e tables, a blank or ble for this indicator

	PSA vs. Benchmarks					
PSA	vs. NV	vs. US	vs. HP2020	TREND		
45.5	41.5	39.7	36.4	49.0		
12.5	10.0	10.6	<i>≦</i> 12.4	21.4		
93.9		<i>≨</i> 35.7		95.0		
53.0		<i>€</i> 3 46.5		<i>€</i> 3 42.0		
43.3	<i>€</i> 3.6	57.2				
20.1	13.8	10.4	9.3	15.2		
3.5	6.2	5.6	5.5			
214.1	622.1	395.5				
	better	similar	worse			

	Each S	Each Sub-Area vs. Others		
Maternal, Infant & Child Health	Carson City	Douglas County	Lyon County	
Low Birthweight Births (Percent)	7.0	8.4	<i>₹</i> 3 7.4	
Infant Death Rate		13.0	9.5	
	all other areas co empty cell indicate	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks				
PSA	vs. NV	vs. NV vs. US vs. HP2020			
7.5	<b>*</b>				
	8.2	8.2	7.8		
8.1					
	5.2	5.9	6.0		
	better	similar	worse		

	Each Sub-Area vs. Others		
Mental Health & Mental Disorders	Carson City	Douglas County	Lyon County
% "Fair/Poor" Mental Health			Ds
	13.6	8.8	15.6
% Diagnosed Depression			
	18.0	16.6	27.0
% Symptoms of Chronic Depression (2+ Years)	会		
	30.4	27.0	31.8
Suicide (Age-Adjusted Death Rate)	会		
	25.0	17.2	31.9
% Taking Rx/Receiving Mental Health Trtmt	会		
	14.1	10.3	18.4
% Unable to Get Mental Health Svcs in Past Yr			
	3.7	1.9	3.4

	PSA vs. Benchmarks					
PSA	vs. NV	vs. US	vs. HP2020	TREND		
12.4						
		15.5		8.6		
19.2						
		17.9				
29.9						
		29.9		28.3		
25.0						
	18.8	12.7	10.2	20.3		
13.6						
		13.6				
3.3						
		4.4				

	Each Sub-Area vs. Others		
Mental Health & Mental Disorders (continued)	Carson City	Douglas County	Lyon County
% Have Ever Sought Help for Mental Health			
	26.5	24.8	39.6
% [Those With Diagnosed Depression] Seeking Help			
% Typical Day Is "Extremely/Very" Stressful	£	É	
	9.1	9.5	10.2
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicato or that sample sizes are too small to provide meaningful results.		e tables, a blank or ble for this indicator

	PSA vs. Benchmarks			
PSA	vs. NV	vs. US	vs. HP2020	TREND
28.7				
		27.4		
87.9				
		91.7		
9.8				
		11.7		8.5
		Ä		
	better	similar	worse	

	Each S	ub-Area vs.	Others
Nutrition, Physical Activity & Weight	Carson City	Douglas County	Lyon County
% Eat 5+ Servings of Fruit or Vegetables per Day			D3
	34.7	42.2	37.2
% "Very/Somewhat" Difficult to Buy Fresh Produce			
	19.2	15.5	19.3
% Worried About Food in the Past Year	<b>***</b> *********************************		
	26.7	16.2	21.8
Population With Low Food Access (Percent)			
	20.9	57.4	51.5
% Medical Advice on Nutrition in Past Year			
	37.1	33.7	36.3

	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
37.8				
		27.4		47.0
18.3				
		21.9		
21.8				
42.3				
	22.3	23.6		
36.2				
				38.4

	Each Sub-Area vs. Others		
Nutrition, Physical Activity & Weight (continued)	Carson City	Douglas County	Lyon County
% Healthy Weight (BMI 18.5-24.9)	给		
	32.8	29.7	25.6
% Overweight (BMI 25+)			
	66.0	69.4	71.9
% Obese (BMI 30+)			
	30.5	29.7	35.5
% Medical Advice on Weight in Past Year	给		
	25.9	21.0	23.4
% [Overweights] Counseled About Weight in Past Year			
	35.0	29.5	27.9
% [Obese Adults] Counseled About Weight in Past Year			
% [Overweights] Trying to Lose Weight Both Diet/Exercise			
	59.6	52.1	63.4
% Child [Age 5-17] Healthy Weight			
% Children [Age 5-17] Overweight (85th Percentile)			
% Children [Age 5-17] Obese (95th Percentile)			
	all other areas cor empty cell indicate	section, each subarea is nbined. Throughout thes is that data are not availa sizes are too small to pro results.	e tables, a blank or ble for this indicator

	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
30.4				会
		32.9	33.9	33.5
68.4				会
	63.5	65.2		66.0
31.6				
	27.7	33.4	30.5	25.6
24.5				会
		20.4		23.3
32.7				
		27.1		29.4
45.8				
		40.8		44.8
56.5				
		57.0		42.7
59.2		给		
		67.2		71.3
28.9				会
		24.2		28.7
11.0				
		9.5	14.5	11.7
		给	•	
	better	similar	worse	

	Each S	Each Sub-Area vs. Others		
Nutrition, Physical Activity & Weight (continued)	Carson City	Douglas County	Lyon County	
% No Leisure-Time Physical Activity	给			
	22.5	18.1	14.8	
% Meeting Physical Activity Guidelines	8035			
	47.8	56.2	57.8	
% Moderate Physical Activity				
	28.3	44.1	43.1	
% Vigorous Physical Activity				
	35.3	40.6	40.7	
Recreation/Fitness Facilities per 100,000	***			
	12.7	14.9	7.7	
% Child [Age 2-17] Physically Active 1+ Hours per Day				
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		e tables, a blank or ble for this indicator	

	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
19.0		27.9		
	22.5	27.9	32.6	19.7
52.6				
		50.3		55.0
36.8				
				35.3
38.2				
				40.5
11.7	<b>*</b>	<b>*</b>		
	7.4	9.7		
46.4				
		47.9		
		给		
	better	similar	worse	

	Each Sub-Area vs. Others		
Oral Health	Carson City	Douglas County	Lyon County
% [Age 18+] Dental Visit in Past Year			
	67.3	71.6	64.7
% Child [Age 2-17] Dental Visit in Past Year			
% Have Dental Insurance	<b>***</b>		
	56.1	66.0	71.5
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator		e tables, a blank or ble for this indicator

or that sample sizes are too small to provide meaningful

	PS <i>A</i>			
PSA	vs. NV	vs. US	vs. HP2020	TREND
67.8		会		会
	59.9	67.2	49.0	67.6
86.5		会		会
		90.7	49.0	80.4
62.0				会
		66.5		63.7
	<b>*</b>			
	better	similar	worse	

	Each Sub-Area vs. Others		
Respiratory Diseases	Carson City	Douglas County	Lyon County
CLRD (Age-Adjusted Death Rate)	58.7	41.6	63.3
Pneumonia/Influenza (Age-Adjusted Death Rate)	12.5	12.3	22.3
% COPD (Lung Disease)	13.0	£ 12.4	<b>14.0</b>
% [Child 0-17] Currently Has Asthma			
	all other areas con empty cell indicate	section, each subarea is nbined. Throughout thes is that data are not availa sizes are too small to pro results.	e tables, a blank or ble for this indicator

	PSA vs. Benchmarks				
PSA	vs. NV	TREND			
54.2					
	53.0	51.4		53.4	
15.0					
	20.5	15.1		14.7	
12.8				给	
	6.9	9.5		10.0	
9.2					
		6.5		5.4	
	better	similar	worse		

	Each S	Each Sub-Area vs. Others		
Sexually Transmitted Diseases	Carson City	Douglas County	Lyon County	
Gonorrhea Incidence per 100,000	51.8	12.7	27.2	
Chlamydia Incidence per 100,000	395.7	<b>176.2</b>	<b>271.5</b>	
% Have Never Been Tested for an STD	<i>≦</i> 3.2	60.9	<i>≦</i> 50.5	
	all other areas con empty cell indicate	section, each subarea is nbined. Throughout thes s that data are not availa sizes are too small to pro results.	e tables, a blank or ble for this indicator	

	PSA vs. Benchmarks				
PSA	vs. NV	vs. US	vs. HP2020	TREND	
31.4					
	84.7	110.7			
286.1					
	423.8	456.1			
54.7					
		绘			
	better	similar	worse		

	Each Sub-Area vs. Others		
Substance Abuse	Carson City	Douglas County	Lyon County
Cirrhosis/Liver Disease (Age-Adjusted Death Rate)		会	D3
	21.1	12.5	12.6
% Current Drinker			
	54.7	60.6	59.7
% Excessive Drinker			
	21.1	21.2	24.1
% Drinking & Driving in Past Month			
	1.9	3.2	0.7
Drug-Induced Deaths (Age-Adjusted Death Rate)			
	20.7	17.9	17.8

	PSA vs. Benchmarks				
PSA	vs. NV	TREND			
15.4	\$300			D)	
	12.7	10.2	8.2	15.5	
58.2					
	50.6	59.7		60.9	
22.1					
		22.2	25.4	23.1	
2.1					
		4.1		3.0	
18.9	20.5	14.6	11.3	13.3	

	Each Sub-Area vs. Others		
Substance Abuse (continued)	Carson City	Douglas County	Lyon County
% Illicit Drug Use in Past Month			
	2.6	4.5	0.7
% Ever Sought Help for Alcohol or Drug Problem	£		
	3.9	4.6	2.9
% Life Negatively Affected by Substance Abuse			
	43.7	41.2	40.9
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicato or that sample sizes are too small to provide mearingful results.		e tables, a blank or ble for this indicator

	PSA	vs. Benchm	arks	
PSA	vs. NV	vs. US	vs. HP2020	TREND
2.8				给
		3.0	7.1	2.9
4.1				
		4.1		6.4
43.0				
		32.2		
		<del></del>		
	better	similar	worse	

	Each S	ub-Area vs.	Others
Tobacco Use	Carson City	Douglas County	Lyon County
% Current Smoker			
	12.2	14.3	19.5
% Someone Smokes at Home			
	9.6	9.1	10.2
% [Nonsmokers] Someone Smokes in the Home			
	4.8	3.9	4.2
% [Household With Children] Someone Smokes in the Home			
% [Smokers] Received Advice to Quit Smoking			

	PSA			
PSA	vs. NV	vs. US	vs. HP2020	TREND
14.6	给			
	17.0	14.0	12.0	18.4
9.5				
		10.2		11.2
4.4				
		3.9		4.4
5.5				
		10.2		7.0
63.4				
		76.0		57.5

	Each Sub-Area vs. Others		
Tobacco Use (continued)	Carson City	Douglas County	Lyon County
% [Smokers] Have Quit Smoking 1+ Days in Past Year			
% [Smokers] Interested in Cessation Classes			
% [Smokers] Aware of Nevada Quitline			
% Use Smokeless Tobacco	3.1	0.4	<i>⊆</i>
% Currently Use Electronic Cigarettes	6.5	17	<i>₹</i> 3
	Note: In the green all other areas cor empty cell indicate	section, each subarea is nbined. Throughout thes s that data are not availa sizes are too small to pro results.	s compared against the tables, a blank or ble for this indicator

	PSA vs. Benchmarks			
PSA	vs. NV	vs. US	vs. HP2020	TREND
57.3				
		43.7	80.0	49.3
46.8				
40.5				
2.8	£			
	3.2	3.0	0.3	4.3
4.9				
		3.8		
	better	similar	worse	

	Each Sub-Area vs. Others		
Vision	Carson City	Douglas County	Lyon County
% Blindness/Trouble Seeing			
	6.8	8.1	5.2
% Eye Exam in Past 2 Years	给		
	62.4	65.5	55.7
	Note: In the green section, each subarea is compared against all other areas combined. Throughout these tables, a blank or empty cell indicates that data are not available for this indicator or that sample sizes are too small to provide meaningful results.		

	PSA vs. Benchmarks			
PSA	vs. NV	vs. US	vs. HP2020	TREND
6.9				
	5.0	7.3		8.4
61.3				
		59.3		63.2
	better	similar	worse	



**Professional Research Consultants, Inc.** 

