Prioritization Process

Health Issue Ranking

Columbia & Greene Counties

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Columbia County Department of Health
Protect Promote Prevent

Public Health
Prevent. Promote. Protect.
Greene County Public Health Department

CMH
Columbia Memorial Health

HTC
Healthcare Transformation Consortium

2021 Prioritization

Health Issues & Measures

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Health Issue & Measure Selection

- **25 Health Issues** and around **140 Health Measures** were selected from over 700 health measures located in the following data collections:
  - Prevention Agenda Dashboard
  - Community Health Indicator Reports (CHIRS) Dashboard
  - County Health Indicators by Race/Ethnicity (CHIRE)
  - SPARCS data – via Common Ground Health Portal
  - NYS Opioid Data Dashboard
  - NYS Behavioral Risk Factor Surveillance Survey (BRFSS)
  - Division of Criminal Justice Services (DCJS) Index Crimes
  - NYS DOH COVID-19 Tracker
  - NYS DOH Cancer Registry
  - County Health Rankings and Roadmaps

#	Health Issue
1	COVID-19
2	Colorectal Cancer
3	Breast Cancer
4	Obesity
5	Asthma
6	Diabetes
7	Heart disease
8	Stroke
9	Violence
10	Injuries & falls
11	Motor vehicle injuries
12	Poor birth outcomes
13	Prenatal care
14	Breast feeding
15	Tobacco use
16	Drug misuse
17	Alcohol misuse
18	Mental illness including suicide
19	Sexually transmitted infections
20	Teen pregnancy
21	Childhood lead exposure
22	Tick-borne disease
23	Immunization & related disease
24	Social Determinants of Health
25	Oral Health

Capital Region Public Health Data Matrix

171 Health Indicators

including 62 Prevention Agenda Tracking Indicators

Link: http://www.hcdiny.org/content/sites/hcdi/resource_library_additions/HCD-County-PH-Indicator_Matrix.pdf

Prevent Chronic Diseases

Indicator		Prevention Agenda 2017 or 2024 Objective	NYS	NYS excl. NYC (Upstate)	Capital Region (6 County) Summary	Albany County	Schenectady County	Rensselaer County	Saratoga County	Columbia County	Greene County
	YEAR	Rate	Rate & #	Rate & #	Rate & #	Rate & #	Rate & #	Rate & #	Rate & #	Rate & #	Rate & #
Percentage of adults who are obese	2018	24.2	27.6	29.1	29.6	26.9	33.7	30.9	30.1	24.3	34.5
Number :					228,428	67,268	41,075	39,584	54,786	12,082	13,633
Percentage of adults who are obese-income <$25,000	2018	29.0	31.8	34.4	38.8	33.2	54.2	39.6	44.8	18.6	42.6
Percentage of children and adolescents who are obese	2017-19	16.4	na	17.3	16.5	16.3	18.8	18.7	13.1	17.3	23.0
Number :					22,901	6,735	4,591	4,263	4,557	1,400	1,355
% of children (aged 2-4 yrs.) enrolled in WIC who are obese	2017	13.0	13.9	na	15.2	13.4	15.6	14.1	17.0	21.3	19.9
Number :					820	262	171	156	118	70	43
Age-adjusted % Adults not engaged in some type of leisure time physical activity	2018	22.6	23.8	22.4	19.7	18.9	19.0	23.4	14.0	20.1	25.7
# no leisure time PA					146,028	47,263	23,158	29,976	25,482	9,994	10,155
% Adults 65+ with no leisure time physical activity	2018	24.1	31.1	31.1	29.9	26.2	30.1	32.9	21.8	25.5	35.6
% adults with disability with no leisure time physical activity	2018	38.2	38.8	39.4	35.0	28.4	28.3	43.5	29.6	46.2	55.4
% Adults with <$25,000 income who consume 1+ sugary drinks daily	2018	28.5	31.0	34.1	30.3	27.0	33.1	24.5	40.6	25.8	15.9
Age-adjusted % Adults who consume <1 friut or vegetable daily	2018		28.1	na	26.4	24.0	30.8	27.6	24.8	24.9	22.5
Number:					199,324	60,016	37,541	35,357	35,028	12,880	8,891
Age-adjusted % Adults with physician diagnosed diabetes	2018		10.0	na	9.4	7.7	10.3	10.1	8.9	7.6	13.2

Top 10 Counts – Number of People Impacted

Columbia & Greene counties

		Health Measure	Count	Health Issue
Prevalence	1	**Obesity**, adults	23,229	Obesity
	2	**Smokers**, adults	14,260	Tobacco use
	3	Population in **poverty**	13,184	Social determinants of health
	4	**Diabetes**, adults	9,957	Diabetes
	5	**Asthma**, adults	8,907	Asthma
Incidence	1	**Heart disease** hospitalizations	3,969	Heart disease
	2	**Injury** hospitalizations, unintentional	2,983	Injuries & falls
	3	**Mental disease and disorder** ED visits and hospitalizations, plus suicide deaths	2,789	Mental illness including suicide
	4	**Stroke** hospitalizations	967	Stroke
	5	**Lyme disease** incidence	810	Lyme disease

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Top 10 Rates – Worse than NYS excl. NYC

Columbia & Greene counties

$$\text{Rate Ratio} = \left(\frac{\text{Combined County Rate}}{\text{NYS excl. NYC Rate}}\right)$$

	Health Measure	Rate Ratio	Health Issue
1	**Anaplasmosis** incidence per 100,000	**16.80**	Tick-borne disease
2	**Lyme disease** incidence per 100,000	**8.79**	Tick-borne disease
3	**Babesiosis** incidence per 100,000	**8.43**	Tick-borne disease
4	Age-adjusted **motor vehicle injury mortality** rate per 100,000	**1.87**	Motor vehicle injuries
5	**Hospital discharges** involving **opioid use** (including abuse, poisoning, dependence and unspecified use), crude rate per 100,000 population	**1.62**	Drug misuse
6	Age-adjusted **suicide mortality** rate per 100,000	**1.60**	Mental illness including suicide
7	Alcohol related motor vehicle injuries and deaths	**1.40**	Alcohol misuse
8	Incidence of confirmed **high blood lead level - children** aged <72 months	**1.39**	Childhood lead exposure
9	Percentage of births with late (3rd trimester) or no **prenatal care**	**1.32**	Prenatal care
10	**Chronic lower respiratory disease (CLRD)** hospitalization	**1.31**	Asthma & COPD

Top 10 Trends – Worsening
Columbia & Greene counties

$$\text{Trend} = \left(\frac{\text{Slope} \times \text{Years of Data}}{\text{Average Value}}\right)$$

	Health Measure	Trend	Health Issue
1	**Opioid overdose deaths**, any opioid	**2.00**	Drug misuse
2	**Gonorrhea** diagnoses	**0.71**	Sexually transmitted infections
3	**Chlamydia** diagnoses	**0.52**	Sexually transmitted infections
4	**Congestive heart failure** mortality	**0.36**	Heart disease
5	**Diabetes** hospitalization (primary diagnosis)	**0.30**	Diabetes
6	Female **breast cancer** incidence	**0.28**	Breast cancer
7	**Anaplasmosis** incidence	**0.27**	Tick-borne disease
8	**Violent crime** rate	**0.26**	Violence
9	Infants born with **neonatal abstinence symptom** and/or affected by maternal use of drugs of addiction	**0.18**	Drug misuse
10	Incidence of confirmed **high blood lead level - children** aged <72 months	**0.17**	Childhood lead exposure

Top 10 Measures of Disparity

Columbia & Greene counties

NH = Non-Hispanic

	Health Measure	Black NH to White NH Ratio	Hispanic to White NH Ratio	Health Issue	Data Avail. Black NH Columbia	Data Avail. Black NH Greene	Data Avail. Hispanic Columbia	Data Avail. Hispanic Greene
1	**Asthma** hospitalizations	**6.33**	**3.55**	Asthma & COPD	X		X	X
2	**Diabetes** short-term complications hospitalization (potentially preventable)	**4.09**	**3.21**	Diabetes & Obesity	X		X	
3	**Teen pregnancies** - under 18 years	**3.89**	**0.00**	Teen pregnancy		X		X
4	**Diabetes** mortality	**2.63**	**2.24**	Diabetes & Obesity	X	X		X
5	**Poisoning** hospitalizations	**2.55**		Injuries & falls		X		
6	**Diabetes** (primary diagnosis) hospitalizations	**2.29**	**1.66**	Diabetes & Obesity	X	X	X	
7	**Chronic lower respiratory disease (CLRD)** hospitalizations	**2.05**	**1.13**	Asthma & COPD	X	X	X	X
8	**Diabetes** (any diagnosis) hospitalizations	**2.05**	**1.08**	Diabetes & Obesity	X	X	X	X
9	Percentage of **premature births** (< 37 weeks)	**1.86**		Poor birth outcomes	X			
10	Percentage of **premature deaths** (< 75 years)	**1.59**	**1.40**		X	X	X	X

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2021 Results

Data-based Scoring

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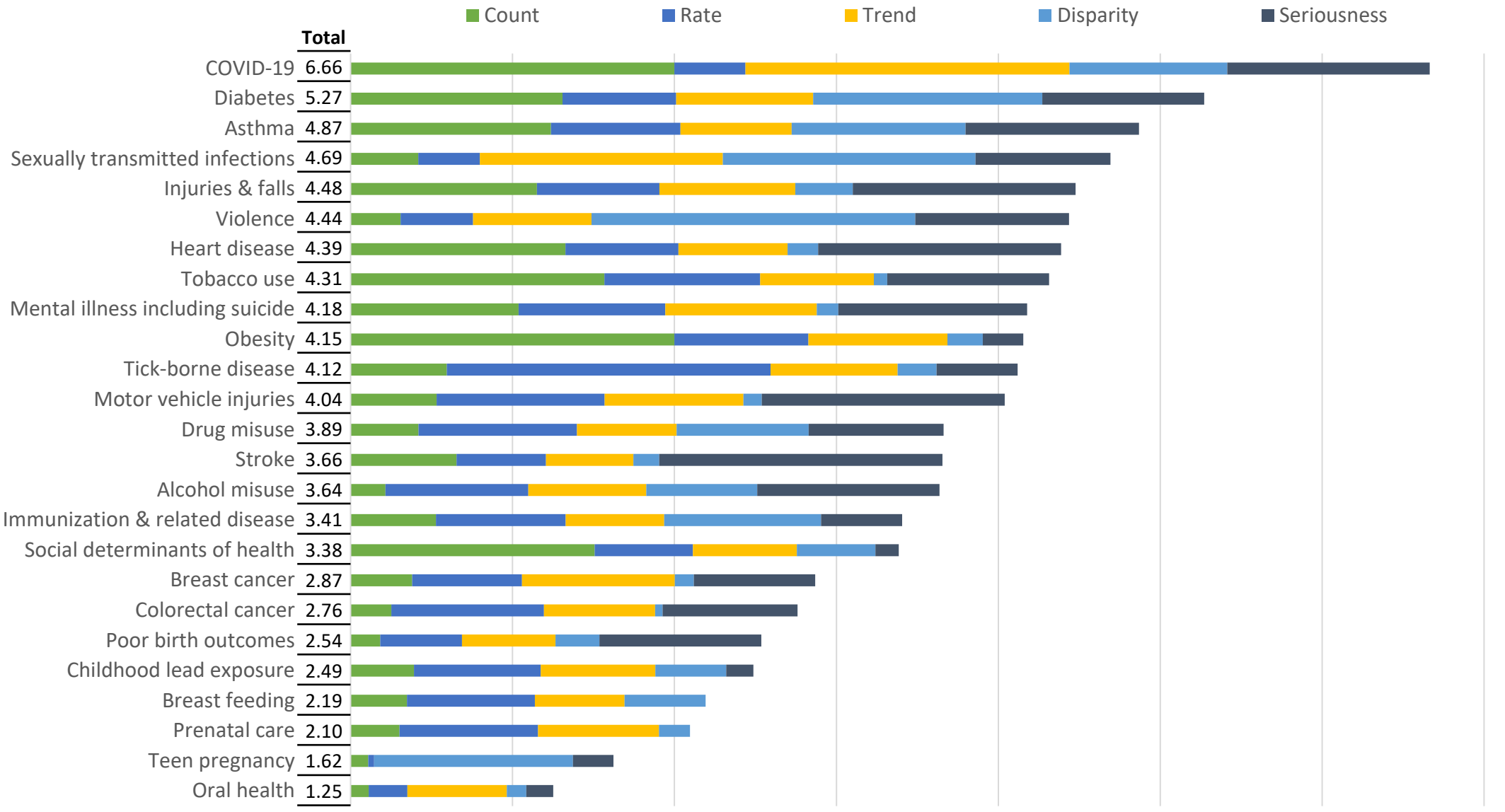
Data Scores (out of 10) – Columbia & Greene Counties



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Community Health Survey, 2021

	Responses	
Region/County	**(n)**	**(%)**
Capital Region	2,104	
Albany	547	26%
Rensselaer	268	13%
Schenectady	426	20%
Saratoga	194	9%
Columbia	387	18%
Greene	282	13%
Columbia-Greene	669	32%

Survey Reports

Capital Region: https://reporting.alchemer.com/r/505744_618158d6bb47d1.59744945

Columbia & Greene counties: https://reporting.alchemer.com/r/505744_618c3b72a5ddd2.37390934

Columbia County: https://reporting.alchemer.com/r/505744_6181582c96ee15.99916867

Greene County: https://reporting.alchemer.com/r/505744_618158929f6da8.55068397

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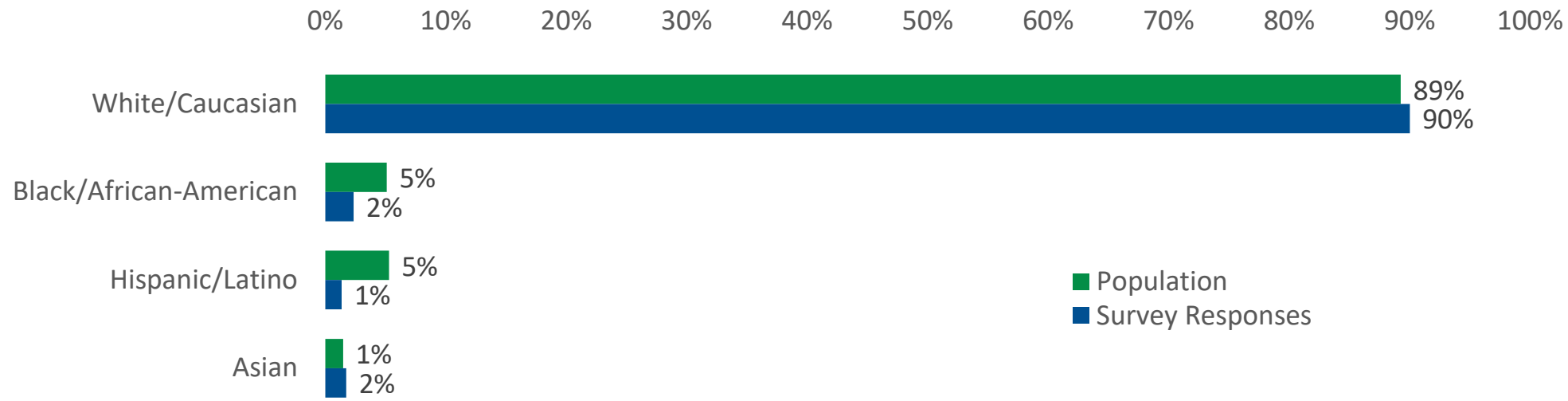
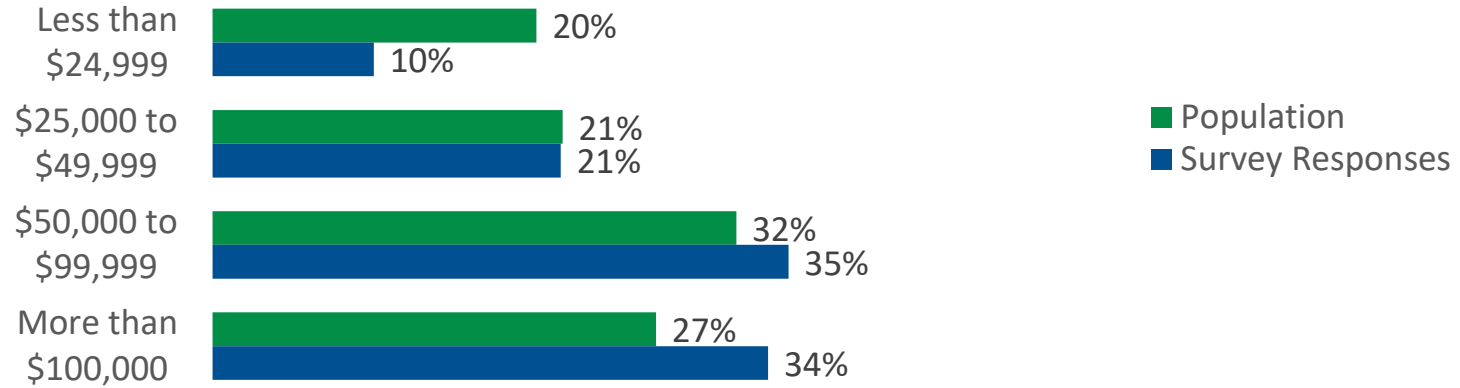
Community Health Survey, 2021

Columbia-Greene, Survey Responses and Population, **by Race/Ethnicity**

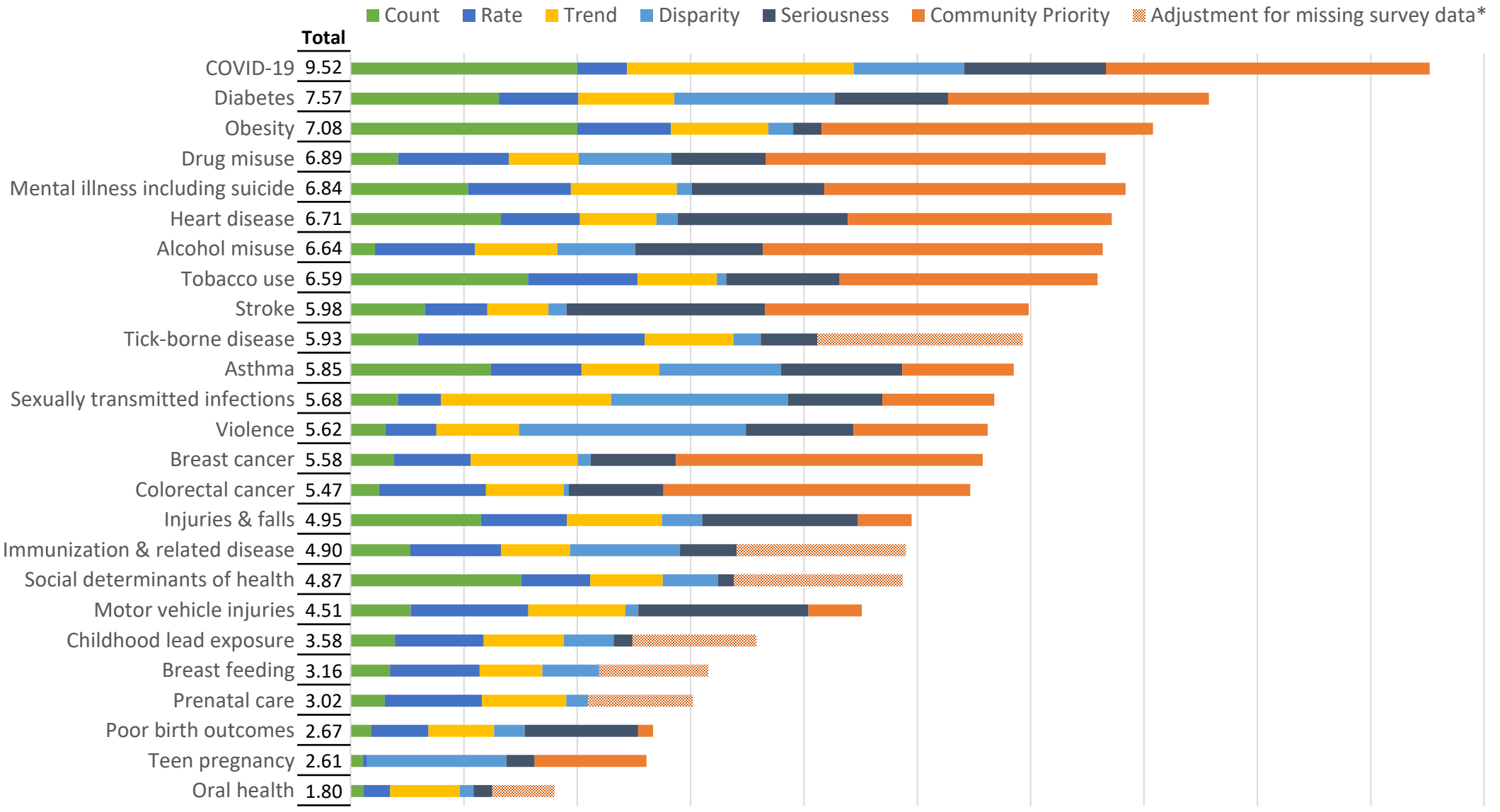


by Household Income



by Gender

Data-based Need Score (out of 13) – Columbia & Greene



* Health issues without survey data were weighted for a total score out of 13

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Data + Survey Scores (out of 13) – Columbia & Greene

* Health issues without survey data weighted for a total score out of 13

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Data + Survey Scores
Columbia & Greene Counties

Rank	Health Issue	Data + Survey Score
1	COVID-19	**9.52**
2	Diabetes	**7.57**
3	Obesity	**7.08**
4	Drug misuse	**6.89**
5	Mental illness including suicide	**6.84**
6	Heart disease	**6.71**
7	Alcohol misuse	**6.64**
8	Tobacco use	**6.59**
9	Stroke	**5.98**
10	Tick-borne disease	**5.93**
11	Asthma	**5.85**
12	Sexually transmitted infections	**5.68**
13	Violence	**5.62**
14	Breast cancer	**5.58**
15	Colorectal cancer	**5.47**
16	Injuries & falls	**4.95**
17	Immunization & related disease	**4.90**
18	Social determinants of health	**4.87**
19	Motor vehicle injuries	**4.51**
20	Childhood lead exposure	**3.58**
21	Breast feeding	**3.16**
22	Prenatal care	**3.02**
23	Poor birth outcomes	**2.67**
24	Teen pregnancy	**2.61**
25	Oral health	**1.80**

2021 Results

Hospital and Local Health Department Scoring

Healthy Capital District

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Health Issue Scoring Sheet

Opportunity	Max Score	Score
Health issue aligns with organizations' strategic goals	3	
If already working to address this need, are efforts working sustainably	2	
If not working on this need, do we have resources and expertise to lead effort	1	
Are there organizations interested in supporting efforts to address this need	2	
Is it possible to make a measureable, positive impact	3	
Other considerations	3	
Community Partner considerations	3	
Total Opportunity Score	17	

Need	Max Score	Score
Is this issue a major need in the community - **Total number** of cases	2	
Is this issue worse in our region than throughout NY - **Rates**	2	
Is this issue more common for some populations - **Disparities**	2	
Is this issue getting better or worse - **Trend**	2	
How **serious**ly does this issue threaten mortality	2	
Is this issue a **priority for the community** based on the survey	3	
Other considerations about the data	2	
Community Partner considerations	3	
Total Need Score	18	

	Max Score	Score	Contribution to Total Score
Total Organizational Score	14		40%
Total Data-based Score	10		29%
Total Community Partner Score	11		31%
Total Priority Score	35		

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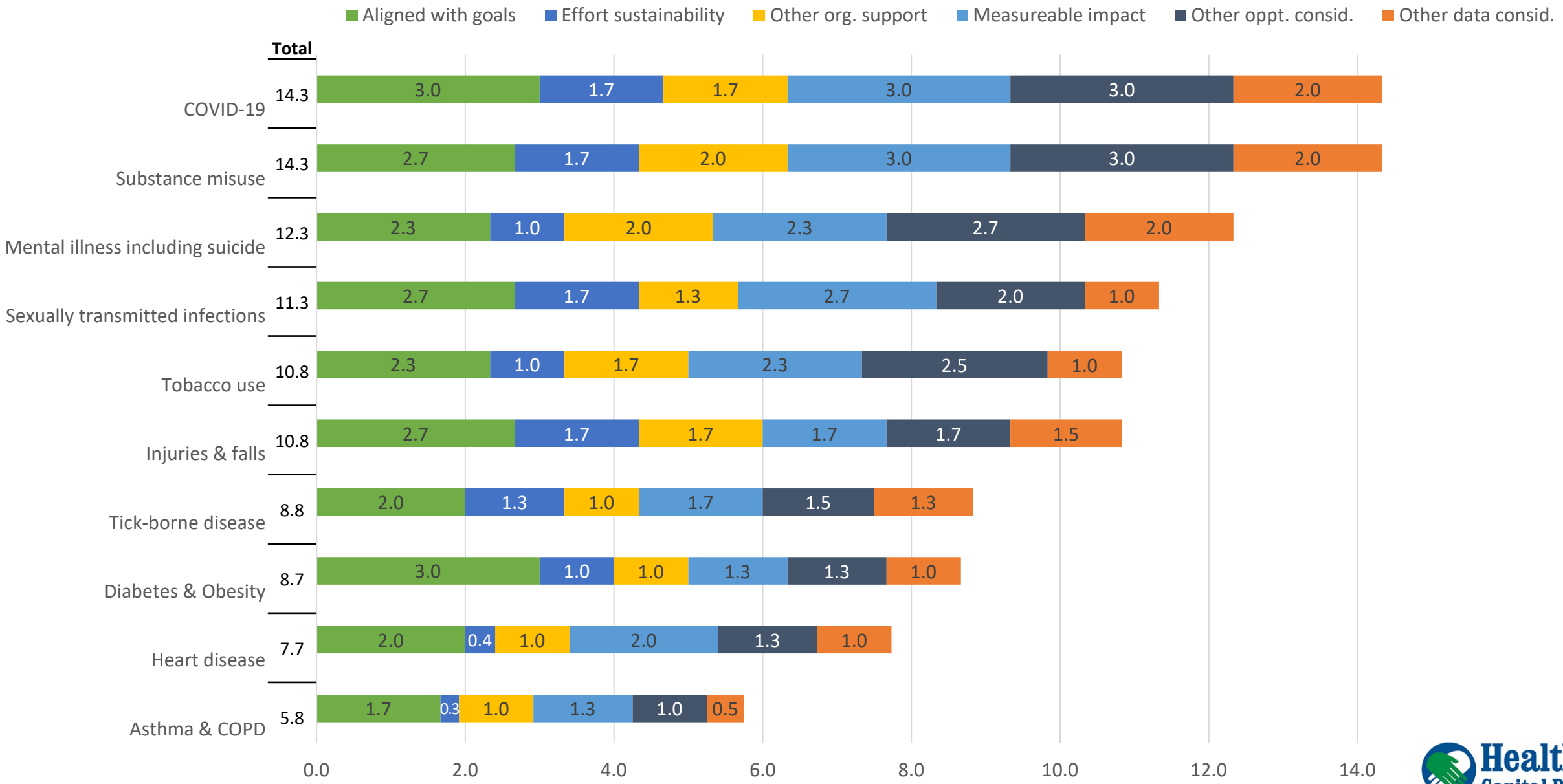
Organizational Scores – Columbia & Greene



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Organizational Scores – Columbia & Greene

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2021 Results

Data, Survey, and Organizational Scores

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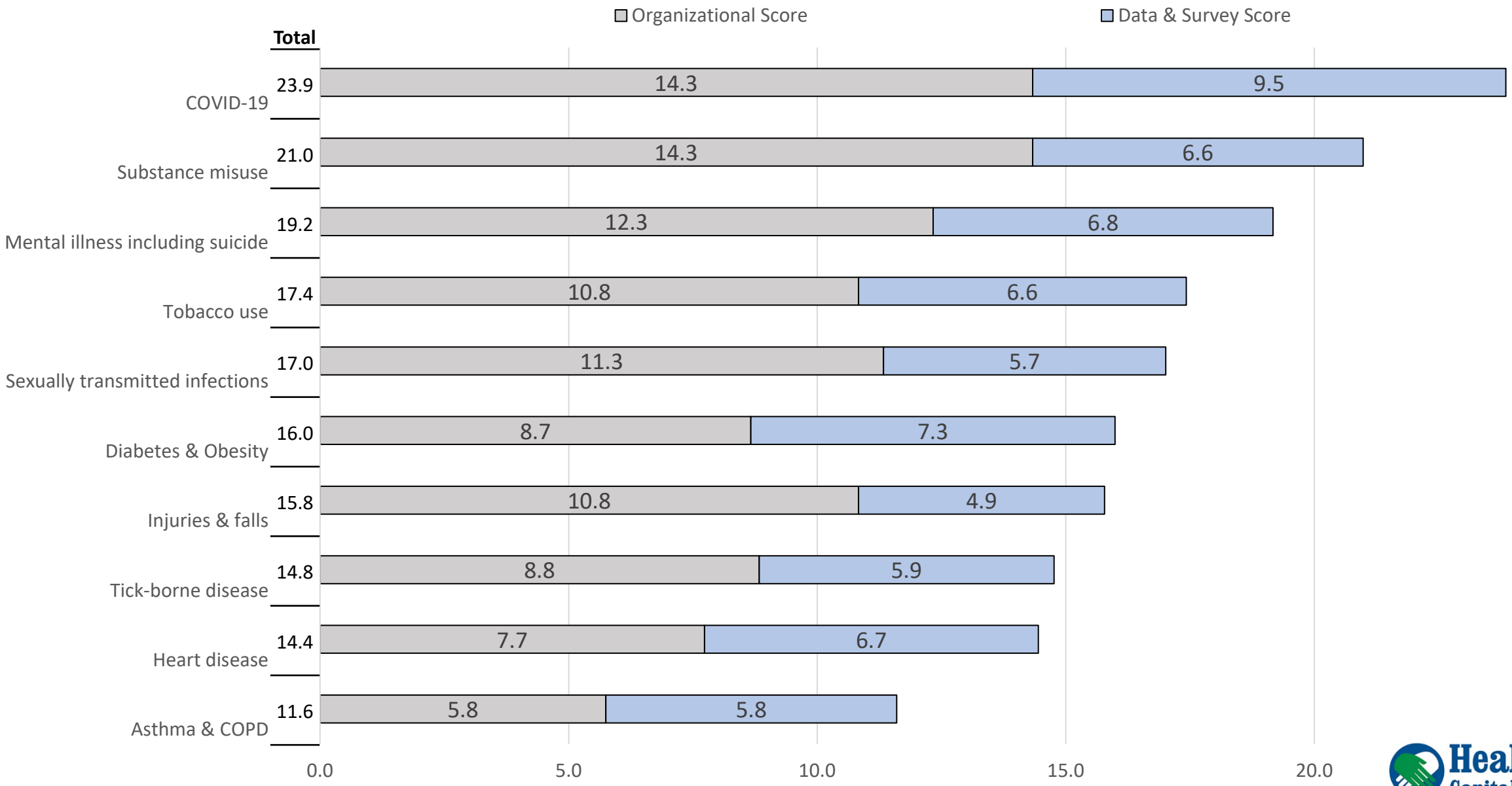
Data, Survey, and Organizational Scores (out of 29) – Columbia & Greene



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Health Issue Rankings – Columbia & Greene Counties

Health Issue	Priority Score Rankings					
	Total	Need	Opport-unity	Data-based	Organiz-ational	Community Partner
COVID-19	1	1	2	1	1	4
Substance misuse	2	3	1	10	2	1
Mental illness including suicide	3	2	3	8	3	2
Diabetes & Obesity	4	4	7	2	8	3
Tobacco use	5	7	5	7	5	5
Sexually transmitted infections	6	8	4	4	4	8
Injuries & falls	7	10	6	5	5	10
Heart disease	8	5	9	6	9	6
Tick-borne disease	9	6	8	9	7	7
Asthma & COPD	10	9	10	3	10	9