Schenectady Prioritization

Spring – Summer, 2022

Finalization of Priorities

Discussion of any 5 County Regional Priorities

2023 Community Health Improvement Plan (CHIP) Development Committees Meet
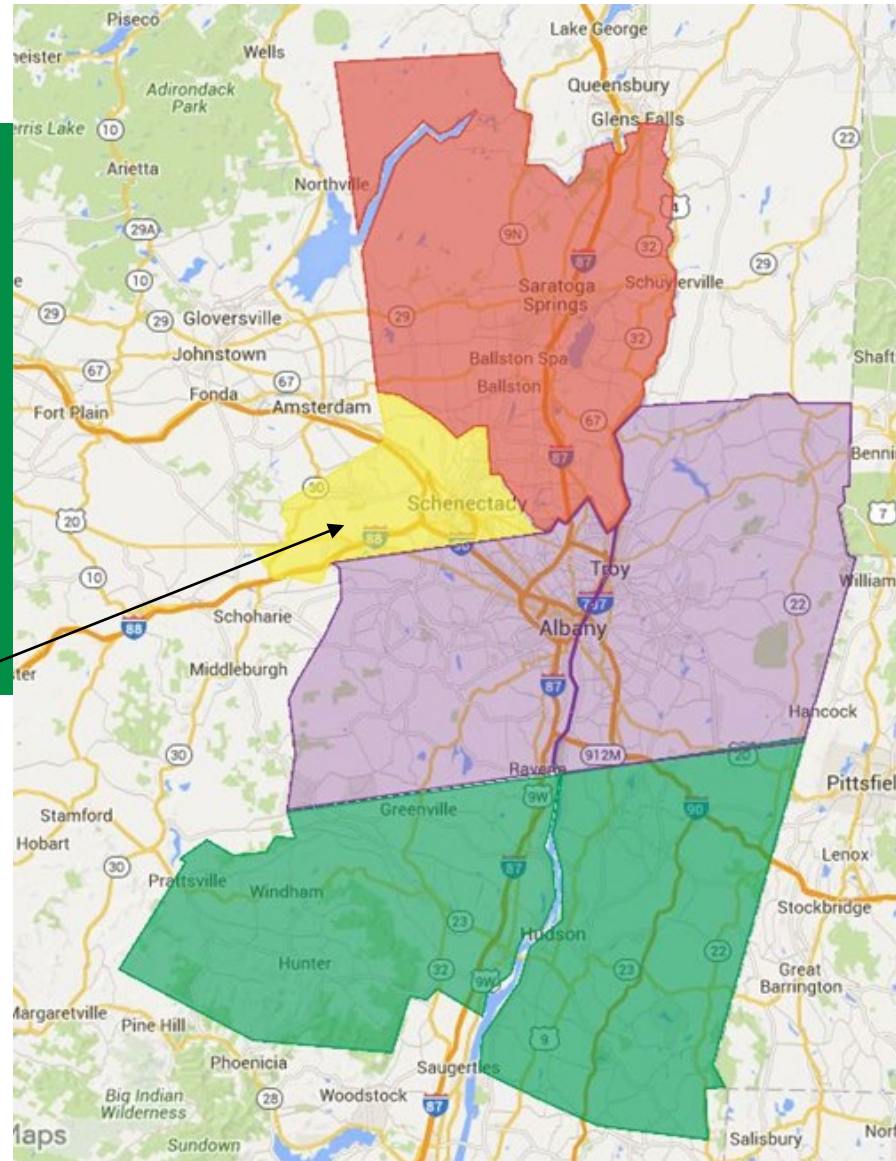
Current CHIP Task Forces Meet

Current Prevention Agenda Priorities

2019-2021

County: Schenectady

Selected Priority Areas:
- Tobacco Prevention
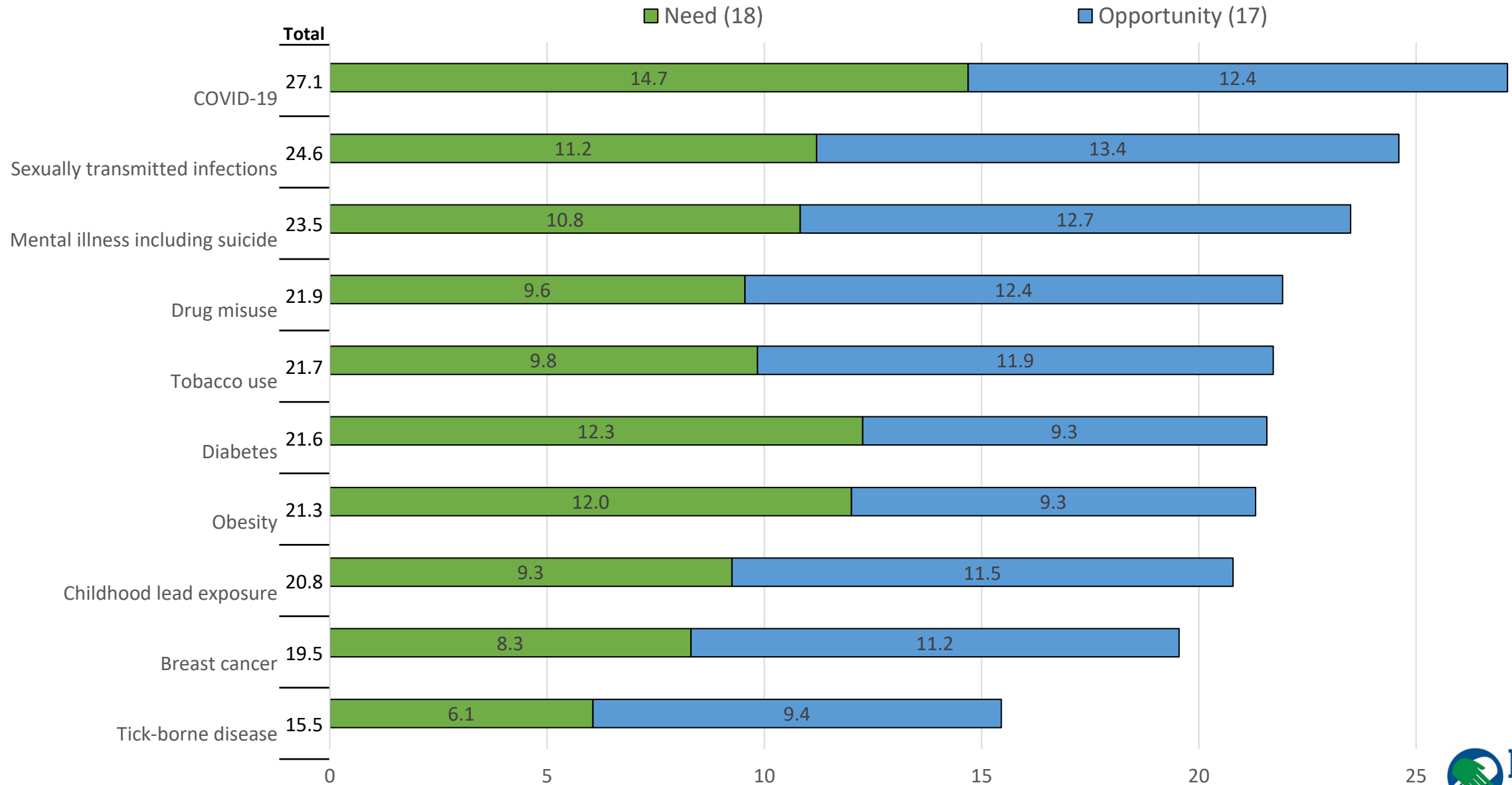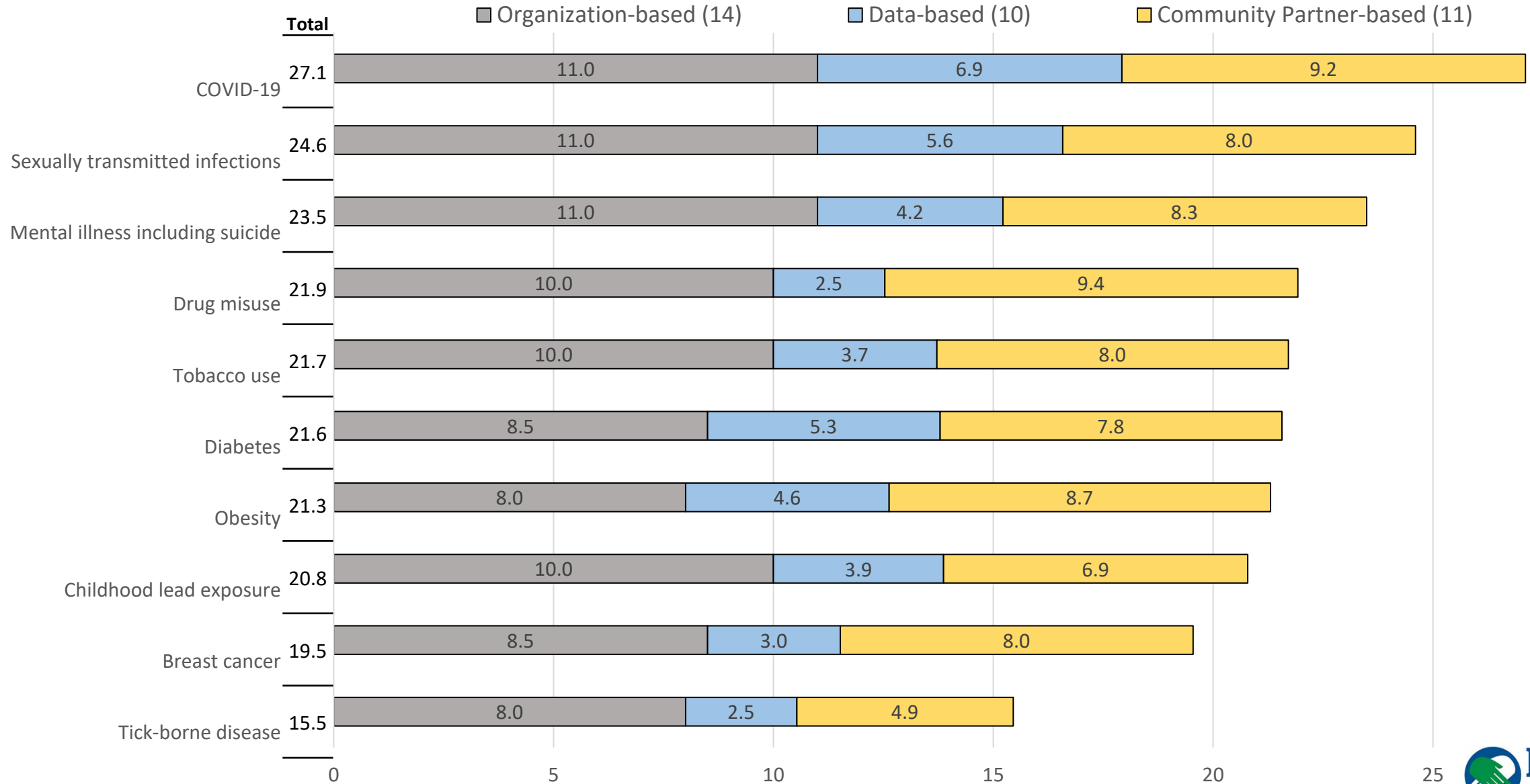- Mental & Substance Use Disorder Prevention

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2021 Results

Total Priority Scores

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Health Issue Rankings – Schenectady County

Health Issue	Total Priority Score		Need	Opportunity		Data-based	Organization-based	Community Partner-based
COVID-19	1		1	3		1	1	2
Sexually transmitted infections	2		4	1		2	1	6
Mental illness including suicide	3		5	2		5	1	4
Drug misuse	4		7	4		9	4	1
Tobacco use	5		6	5		7	4	7
Diabetes	6		2	9		3	7	8
Obesity	7		3	9		4	9	3
Childhood lead exposure	8		8	6		6	4	9
Breast cancer	9		9	7		8	7	5
Tick-borne disease	10		10	8		10	9	10

Total Priority Score (out of 35) – Schenectady

Legend: Need (18) — green; Opportunity (17) — blue

Condition	Total	Need	Opportunity
COVID-19	27.1	14.7	12.4
Sexually transmitted infections	24.6	11.2	13.4
Mental illness including suicide	23.5	10.8	12.7
Drug misuse	21.9	9.6	12.4
Tobacco use	21.7	9.8	11.9
Diabetes	21.6	12.3	9.3
Obesity	21.3	12.0	9.3
Childhood lead exposure	20.8	9.3	11.5
Breast cancer	19.5	8.3	11.2
Tick-borne disease	15.5	6.1	9.4

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Total Priority Score (out of 35) – Schenectady

Total

	Organization-based (14)	Data-based (10)	Community Partner-based (11)
COVID-19	27.1	11.0 / 6.9	9.2
Sexually transmitted infections	24.6	11.0 / 5.6	8.0
Mental illness including suicide	23.5	11.0 / 4.2	8.3
Drug misuse	21.9	10.0 / 2.5	9.4
Tobacco use	21.7	10.0 / 3.7	8.0
Diabetes	21.6	8.5 / 5.3	7.8
Obesity	21.3	8.0 / 4.6	8.7
Childhood lead exposure	20.8	10.0 / 3.9	6.9
Breast cancer	19.5	8.5 / 3.0	8.0
Tick-borne disease	15.5	8.0 / 2.5	4.9

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2021 Results

Data and Survey Scores

Data-based Scores (out of 10) – Schenectady

	#	Total
COVID-19	1	6.92
Sexually transmitted infections	2	5.58
Violence	3	5.46
Diabetes	4	5.29
Stroke	5	4.89
Obesity	6	4.63
Social determinants of health	7	4.57
Asthma	8	4.50
Mental illness including suicide	9	4.22
Heart disease	10	4.10
Childhood lead exposure	11	3.87
Tobacco use	12	3.71
Injuries & falls	13	3.54
Motor vehicle injuries	14	3.39
Poor birth outcomes	15	3.38
Alcohol misuse	16	3.25
Breast cancer	17	3.02
Immunization & related disease	18	2.89
Teen pregnancy	19	2.81
Drug misuse	20	2.65
Tick-borne disease	21	2.53
Colorectal cancer	22	2.14
Prenatal care	23	2.13
Breast feeding	24	1.93
Oral health	25	1.65

Legend: Count, Rate, Trend, Disparity, Seriousness

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Data + Survey Score (out of 13) – Schenectady

Legend: Count, Rate, Trend, Disparity, Seriousness, Community Priority, Adjustment for missing data*
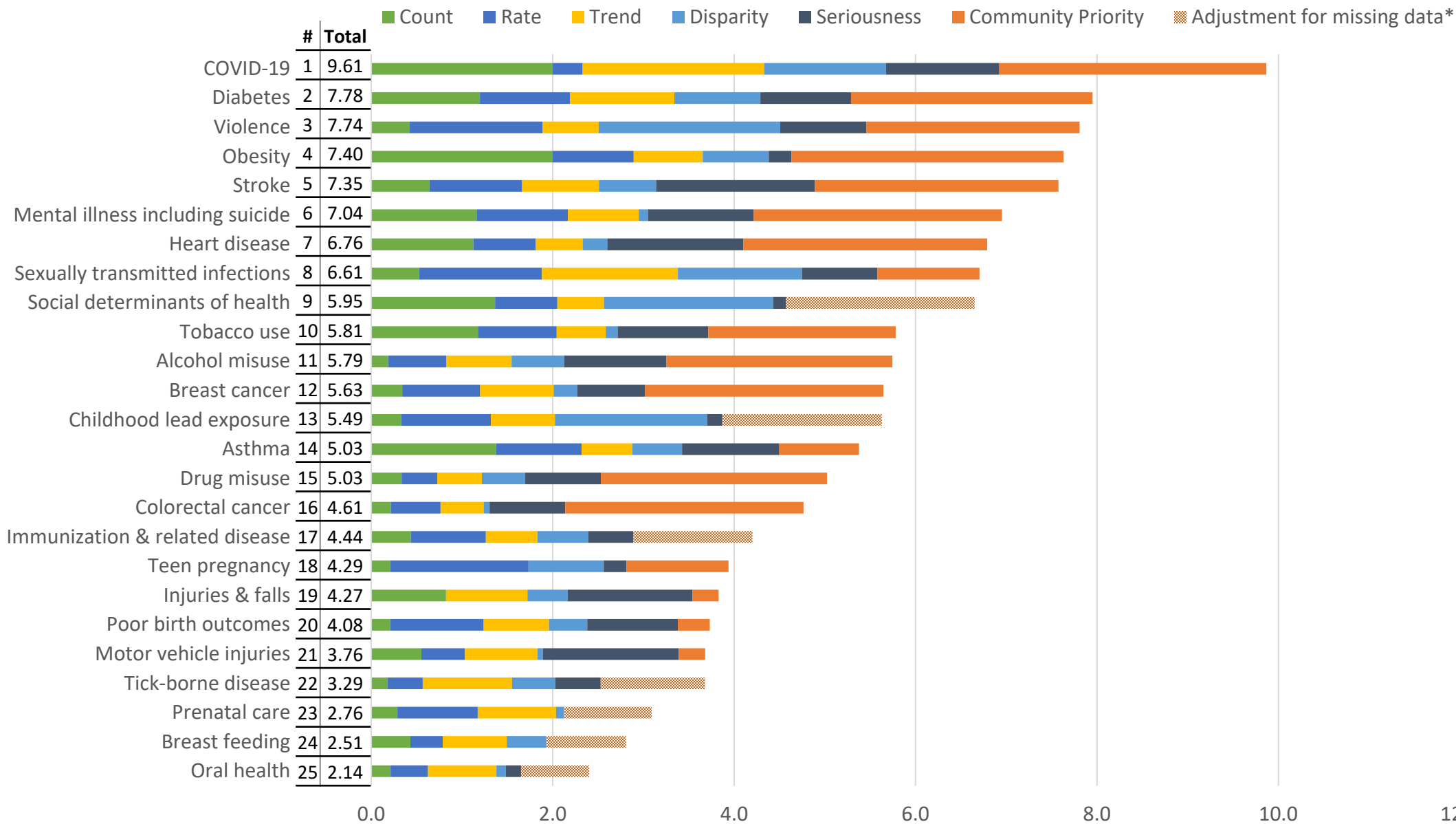
* Health issues with missing data were weighted to have a total score out of 13

#		Total
1	COVID-19	9.61
2	Diabetes	7.78
3	Violence	7.74
4	Obesity	7.40
5	Stroke	7.35
6	Mental illness including suicide	7.04
7	Heart disease	6.76
8	Sexually transmitted infections	6.61
9	Social determinants of health	5.95
10	Tobacco use	5.81
11	Alcohol misuse	5.79
12	Breast cancer	5.63
13	Childhood lead exposure	5.49
14	Asthma	5.03
15	Drug misuse	5.03
16	Colorectal cancer	4.61
17	Immunization & related disease	4.44
18	Teen pregnancy	4.29
19	Injuries & falls	4.27
20	Poor birth outcomes	4.08
21	Motor vehicle injuries	3.76
22	Tick-borne disease	3.29
23	Prenatal care	2.76
24	Breast feeding	2.51
25	Oral health	2.14

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Organizational Scores – Schenectady
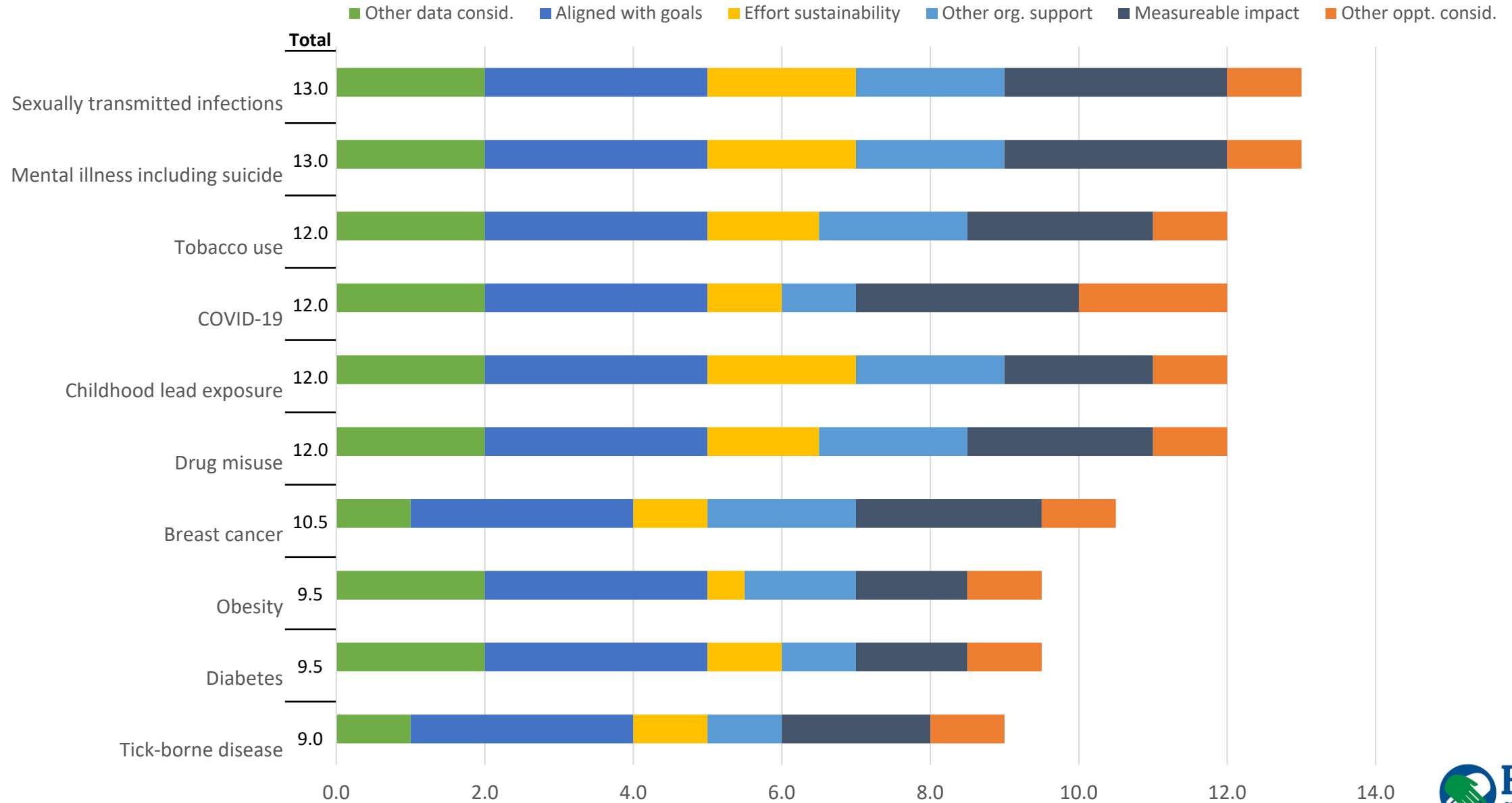
2021 Results

Community Partner Consideration Scoring

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Community Partner Consideration Scores (out of 6) – Schenectady
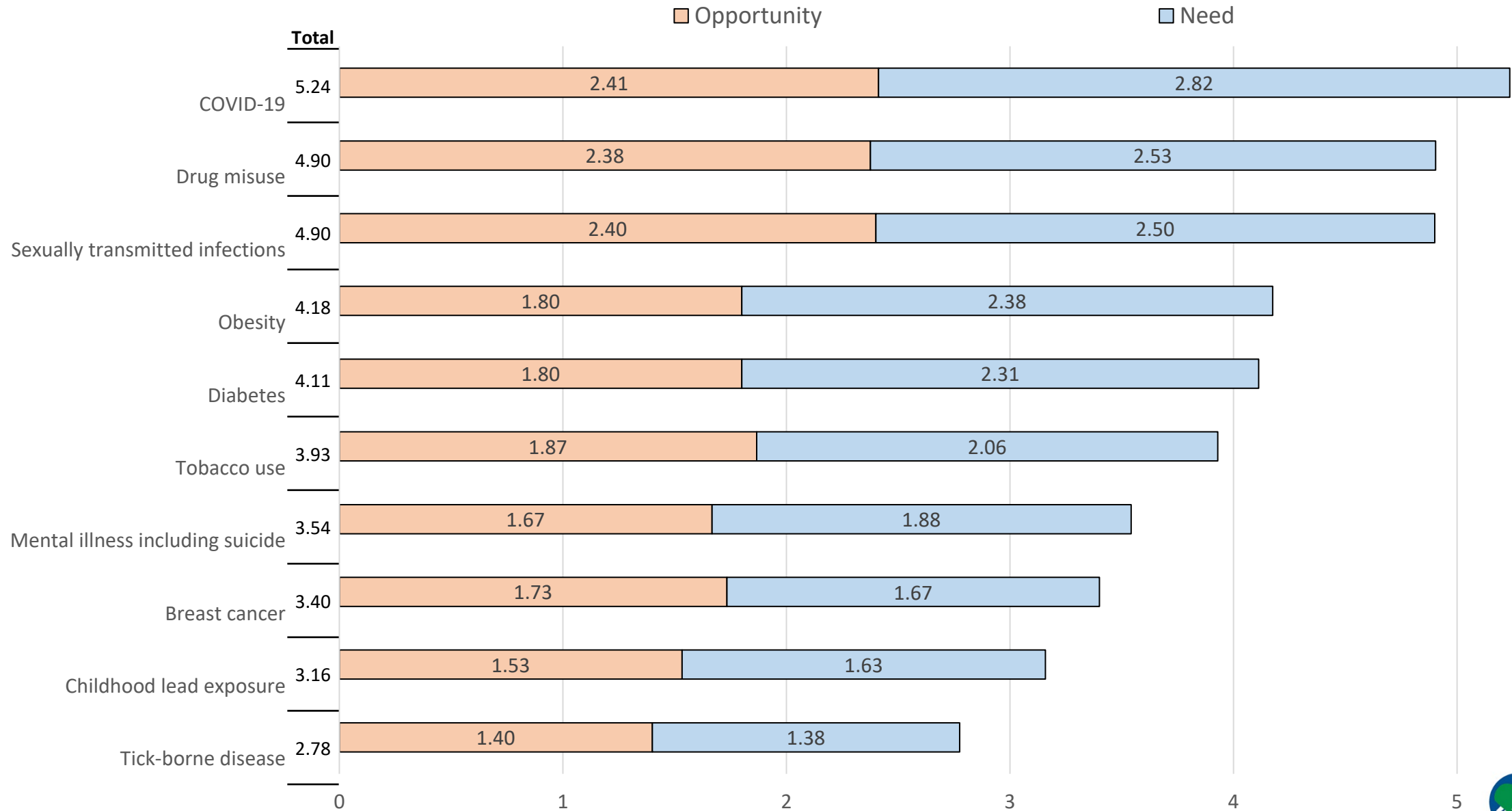
Legend: ■ Opportunity   ■ Need

Total	Condition	Opportunity	Need
5.24	COVID-19	2.41	2.82
4.90	Drug misuse	2.38	2.53
4.90	Sexually transmitted infections	2.40	2.50
4.18	Obesity	1.80	2.38
4.11	Diabetes	1.80	2.31
3.93	Tobacco use	1.87	2.06
3.54	Mental illness including suicide	1.67	1.88
3.40	Breast cancer	1.73	1.67
3.16	Childhood lead exposure	1.53	1.63
2.78	Tick-borne disease	1.40	1.38

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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 Issues
COVID-19
Colorectal Cancer
Breast Cancer
Obesity
Asthma
Diabetes
Heart disease
Stroke
Violence
Injuries & falls
Motor vehicle injuries
Poor birth outcomes
Prenatal care
Breast feeding
Tobacco use
Drug misuse
Alcohol misuse
Mental illness including suicide
Sexually transmitted infections
Teen pregnancy
Childhood lead exposure
Tick-borne disease
Immunization & related disease
Social Determinants of Health
Oral Health

Top 10 Counts
Schenectady County

		Health Measure	Count	Health Issue
Prevalence	1	**Obesity**, adults	**37,720**	Obesity
	2	**Asthma**, adults	**17,863**	Asthma
	3	Population in **poverty**	**17,555**	Social determinants of health
	4	**Diabetes**, adults	**13,535**	Diabetes
	5	**Smokers**, adults	**13,030**	Tobacco use
Incidence	1	**Mental disease and disorder** ED visits and hospitalizations, plus suicide deaths	**5,411**	Mental illness including suicide
	2	**Heart disease** hospitalizations	**5,018**	Heart disease
	3	**Injury** hospitalizations, unintentional	**2,701**	Injuries & falls
	4	**Stroke** hospitalizations	**1,633**	Stroke
	5	**Motor Vehicle** Traffic Injury ED Visits	**1,217**	Motor vehicle injuries

Top 10 Rates – Worse than NYS excl. NYC
Schenectady County

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

	Health Measure	Average Rate Ratio	Health Issue
1	**Violent crime**	**2.16**	Violence
2	**Teen pregnancy -** aged <18 years	**1.98**	Teen pregnancy
3	**Index crime**	**1.74**	Violence
4	**Gonorrhea** diagnoses	**1.70**	Sexually transmitted infections
5	**Assault hospitalization**	**1.62**	Violence
6	**Oral cavity and pharynx cancer** mortality	**1.52**	Tobacco use
7	Newly diagnosed **HIV** case	**1.52**	Sexually transmitted infections
8	**Firearm assault-related hospitalizations**	**1.50**	Violence
9	**Mental disease/disorder** (primary diagnosis) hospitalization	**1.50**	Mental illness including suicide
10	**Asthma**, adults (current)	**1.47**	Asthma

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Top 10 Trends – Worsening
Schenectady County

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

	Health Measure	Trend	Health Issue
1	**Opioid overdose deaths** (any opioid)	**3.78**	Drug misuse
2	Early **syphilis** case	**1.32**	Sexually transmitted infections
3	**Suicide mortality among youth**, aged 15-19 years	**1.29**	Mental illness including suicide
4	Potentially preventable **diabetes short-term complications hospitalization**, aged 18+ years	**1.08**	Diabetes
5	**Gonorrhea** diagnoses	**0.96**	Sexually transmitted infections
6	**Anaplasmosis** incidence	**0.89**	Tick-borne disease
7	**Hospitalizations due to falls**, aged **65+ years**	**0.50**	Injuries & falls
8	**Caries (cavities)** outpatient visit - Aged 3-5 years	**0.49**	Oral health
9	**Diabetes hospitalization** (primary diagnosis)	**0.47**	Diabetes
10	**Cirrhosis hospitalization**	**0.36**	Alcohol misuse

Top 10 Measures of Disparity
Schenectady County

	Health Measure	Black NH to White NH Ratio	Hispanic to White NH Ratio	Health Issue
1	Percentage of families below **poverty**	6.74	6.33	Social determinants of health
2	Potentially preventable **diabetes short-term complications hospitalization**, aged 18+ years	3.57	2.24	Diabetes
3	**Diabetes** hospitalizations (primary diagnosis)	3.13	1.66	Diabetes
4	**Asthma** hospitalizations	2.93	1.63	Asthma
5	**Asthma** hospitalizations, aged 0-17 years	2.90	2.25	Asthma
6	**Teen pregnancies**, aged 0-17 years	2.78	2.22	Teen pregnancy
7	Percentage of **low birthweight** births (< 2.5 kg)	2.24	1.63	Poor birth outcomes
8	Percentage of **premature deaths** (< 75 years)	2.03	1.83	
9	**Diabetes** hospitalizations (any diagnosis)	2.02	1.06	Diabetes
10	Cerebrovascular disease (**stroke**) mortality	1.93		Stroke

Thank you

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- ## The Prevention Agenda

- ## Regional Health Data

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