COVID-19 Situation Update

Nicholas Kelley, PhD – Assistant Public Health Administrator

October 20, 2020

CITY OF BLOOMINGTON MINNESOTA

	 Global	 United States	 Minnesota	 Bloomington	 Edina	 Richfield
Total cases	40,118,314	8,156,970	122,812	2,124	1,101	1,137
Total deaths	1,114,715	219,680	2,234	56	49	16
New cases during OP 30*	Not available		7,412	96	52	46

Risk Levels

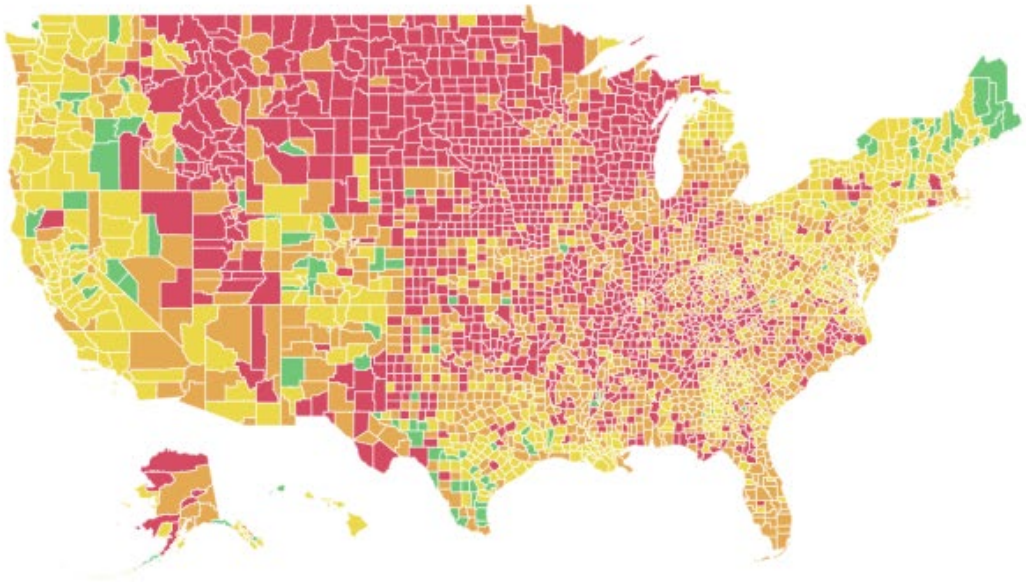
Color Blind Version

View: Map Chart

This map displays COVID Risk Levels for each county in the United States. Hover over a county for detailed information on cases and deaths counts. Risk Levels are calculated based on daily cases per 100,000 population (7 day rolling average). See Daily New Cases for actual number of confirmed cases (7 day rolling average).

Learn more

Risk Levels by County



State/County	Rank	Daily new cases per 100k people (7d moving avg.)	Daily new cases (7d moving avg.)
North Dakota	1	86.9	662.0
South Dakota	2	75.3	666.3
Montana	3	55.0	588.0
Wisconsin	4	48.2	2,803.6
Nebraska	5	45.8	885.7
Idaho	6	39.0	697.7
Utah	7	38.9	1,248.6
Iowa	8	35.4	1,115.4
Wyoming	9	33.6	194.7
Arkansas	10	30.0	904.4
Minnesota	11	29.8	1,680.3
Oklahoma	12	28.6	1,132.6
Tennessee	13	28.5	1,948.7
Indiana	14	26.8	1,801.6
Illinois	15	26.4	3,341.7
Kansas	16	26.2	764.1
Alaska	17	26.0	190.0
Mississippi	18	25.8	767.1
Missouri	19	25.3	1,551.9
New Mexico	20	24.7	517.3

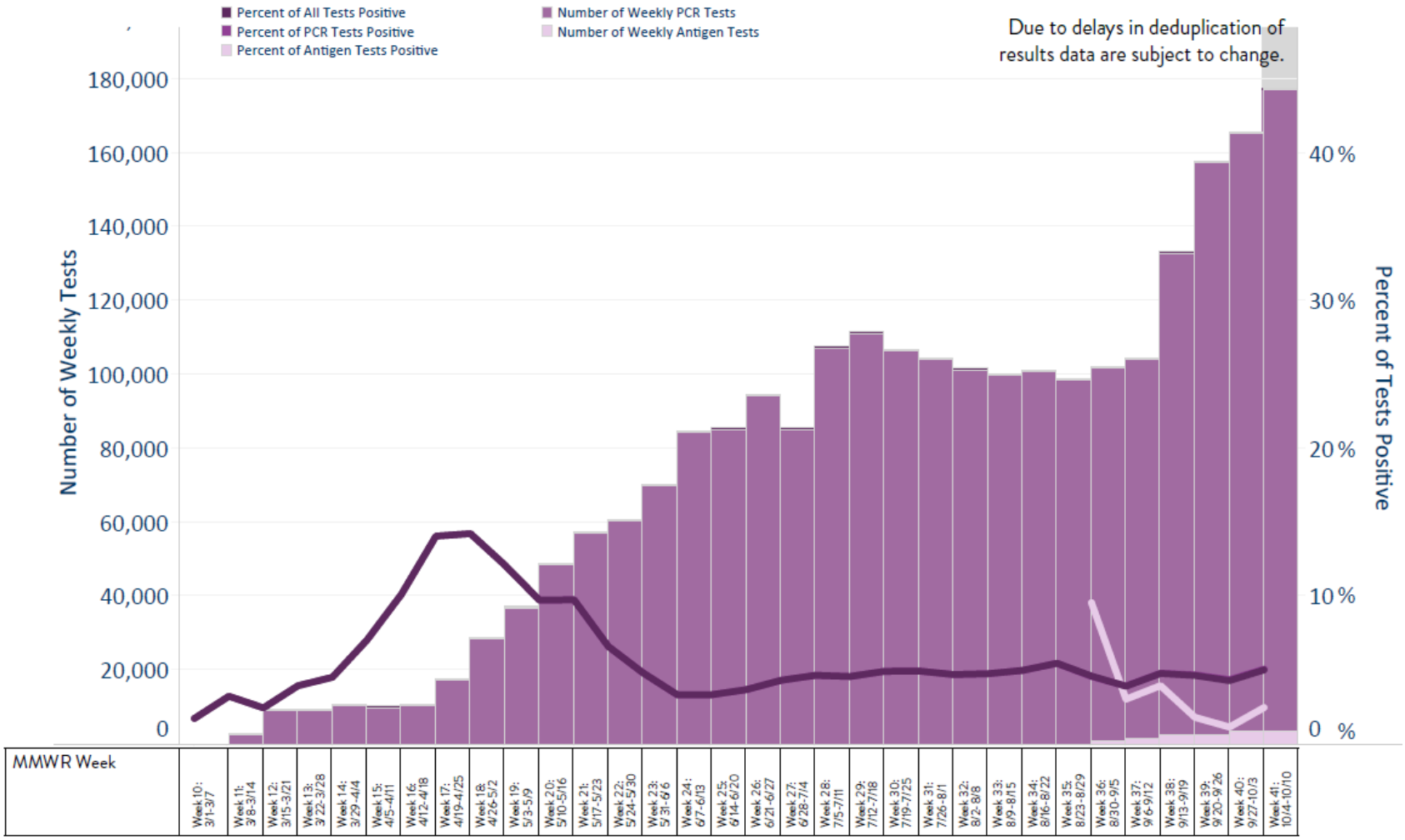
Microsoft
AI for Health

Information about Sources
Click Here

Contact us at:
ai4hc19@microsoft.com

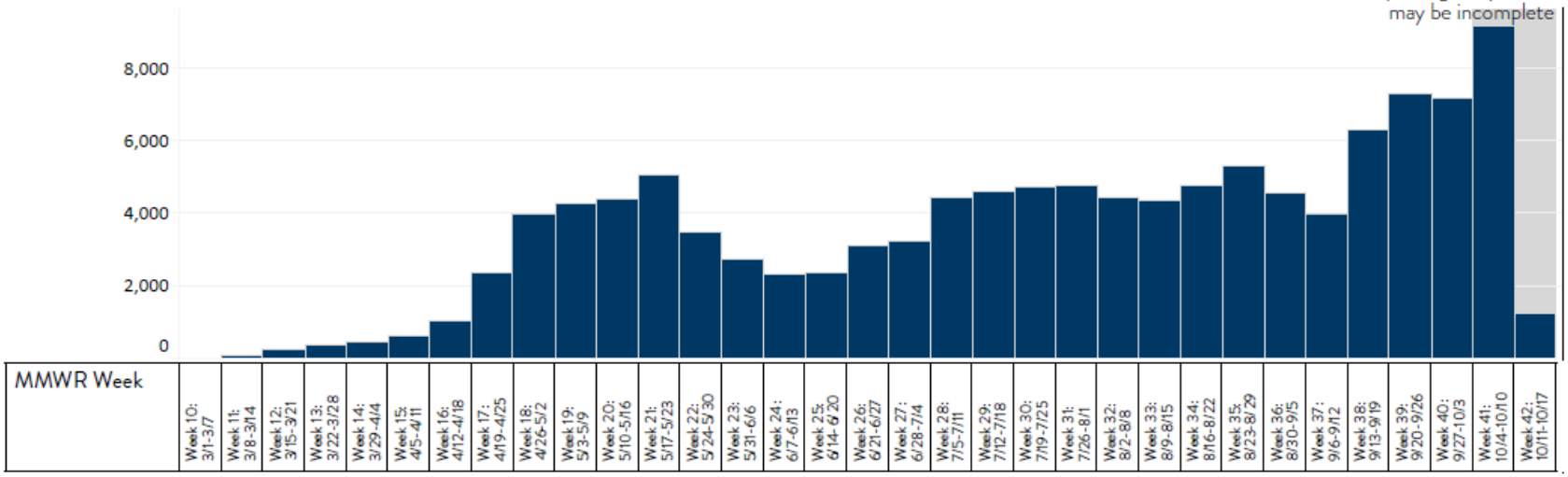
Number of Tests and Percent Positive by Week

Number of tests and percentage positive by date of laboratory testing. Only tests reported by laboratories reporting both positive and negative results are included in positivity calculations. Numbers include both PCR and antigen tests. Percent positive is the percent of positive tests from the total number of tests.

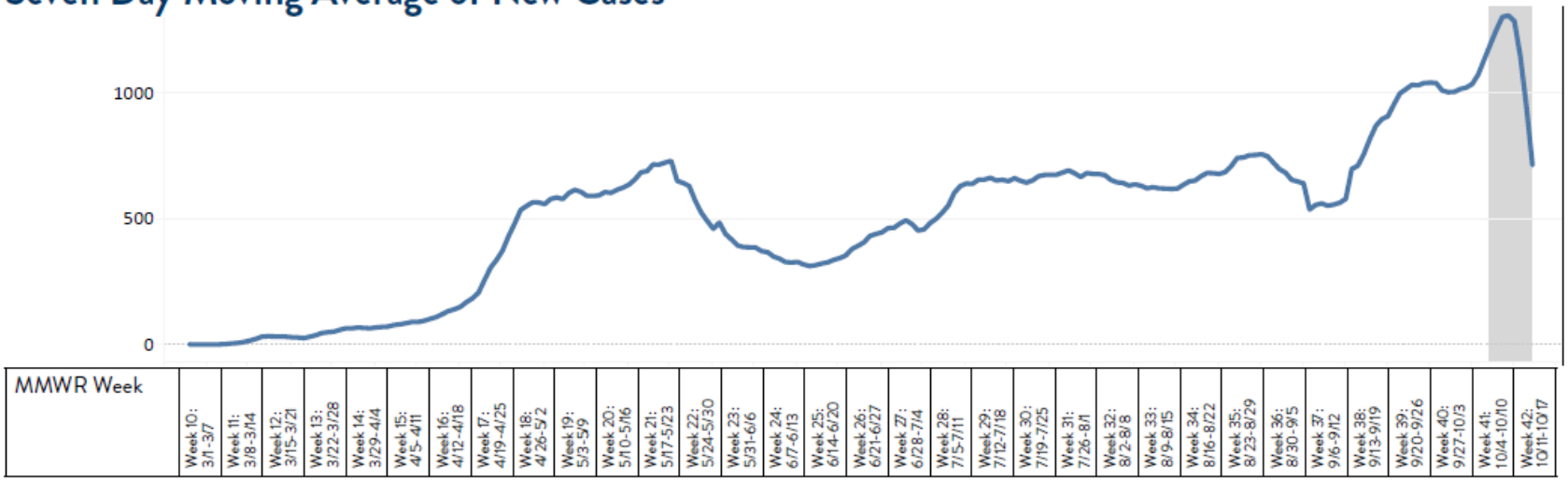


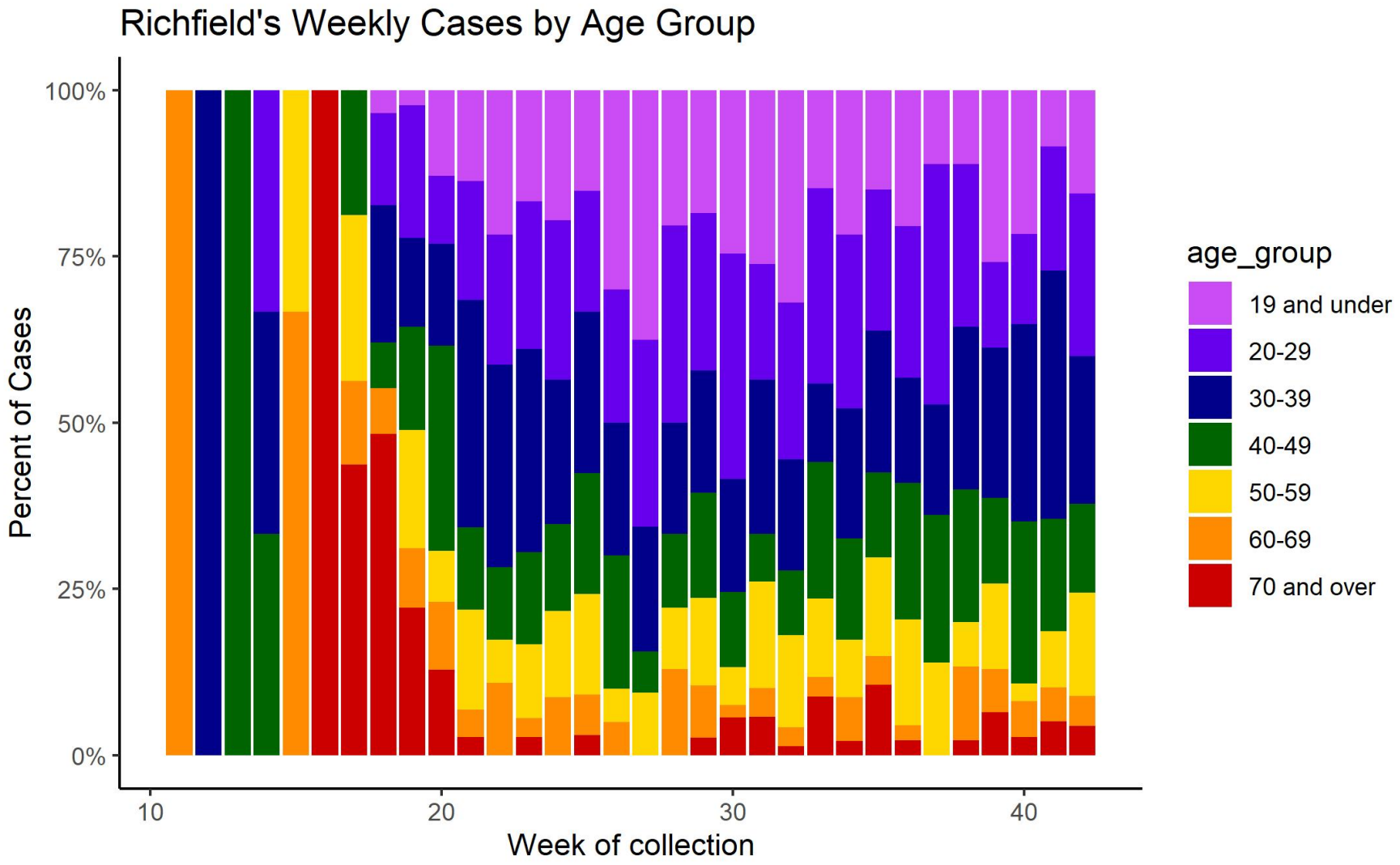
New Cases by Week of Specimen Collection

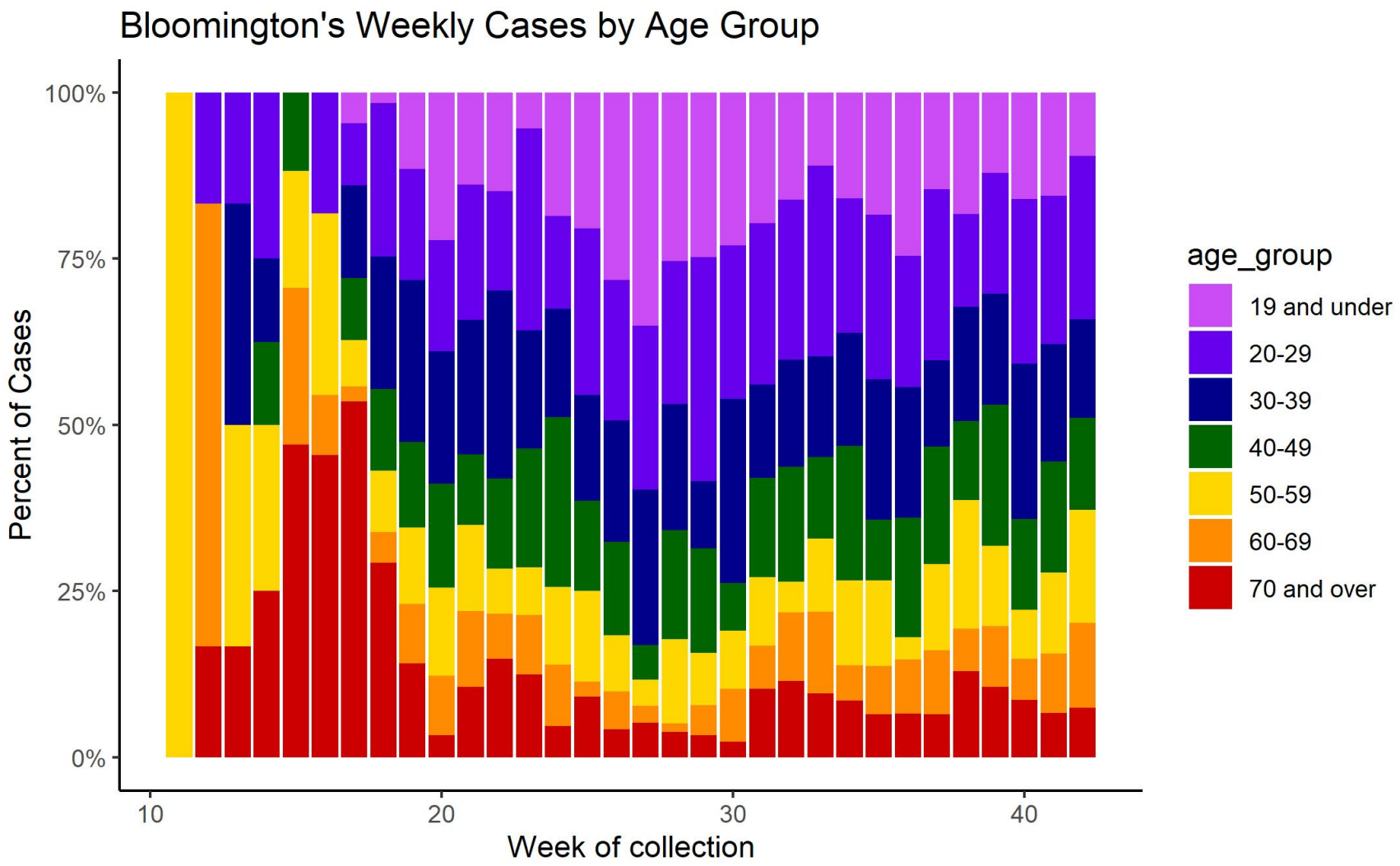
Due to the need to confirm reports and reporting delays, data may be incomplete



Seven Day Moving Average of New Cases




Richfield's Weekly Cases by Age Group
Percent of Cases
100%
75%
50%
25%
0%
10
20
30
40
Week of collection
age_group
19 and under
20-29
30-39
40-49
50-59
60-69
70 and over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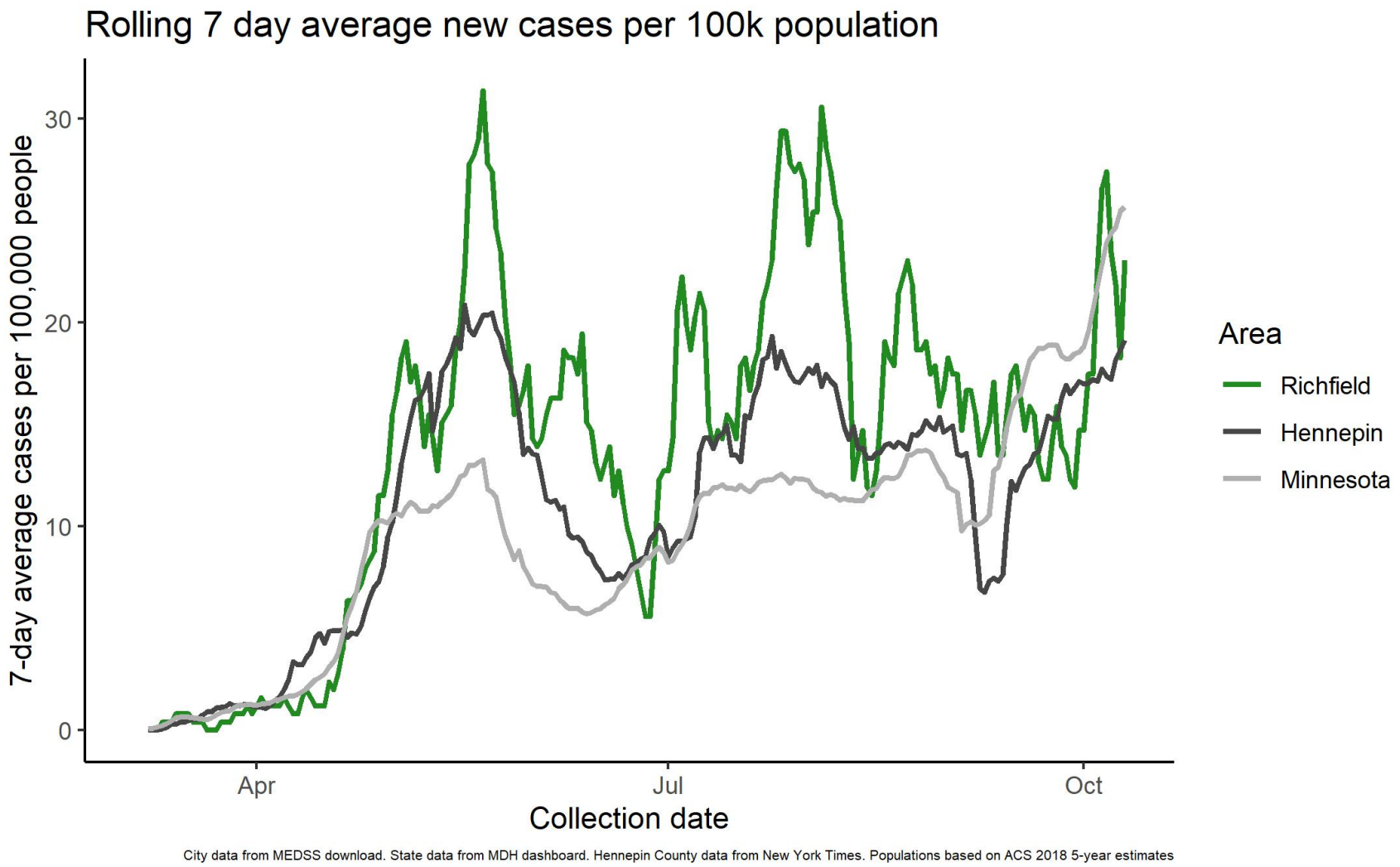
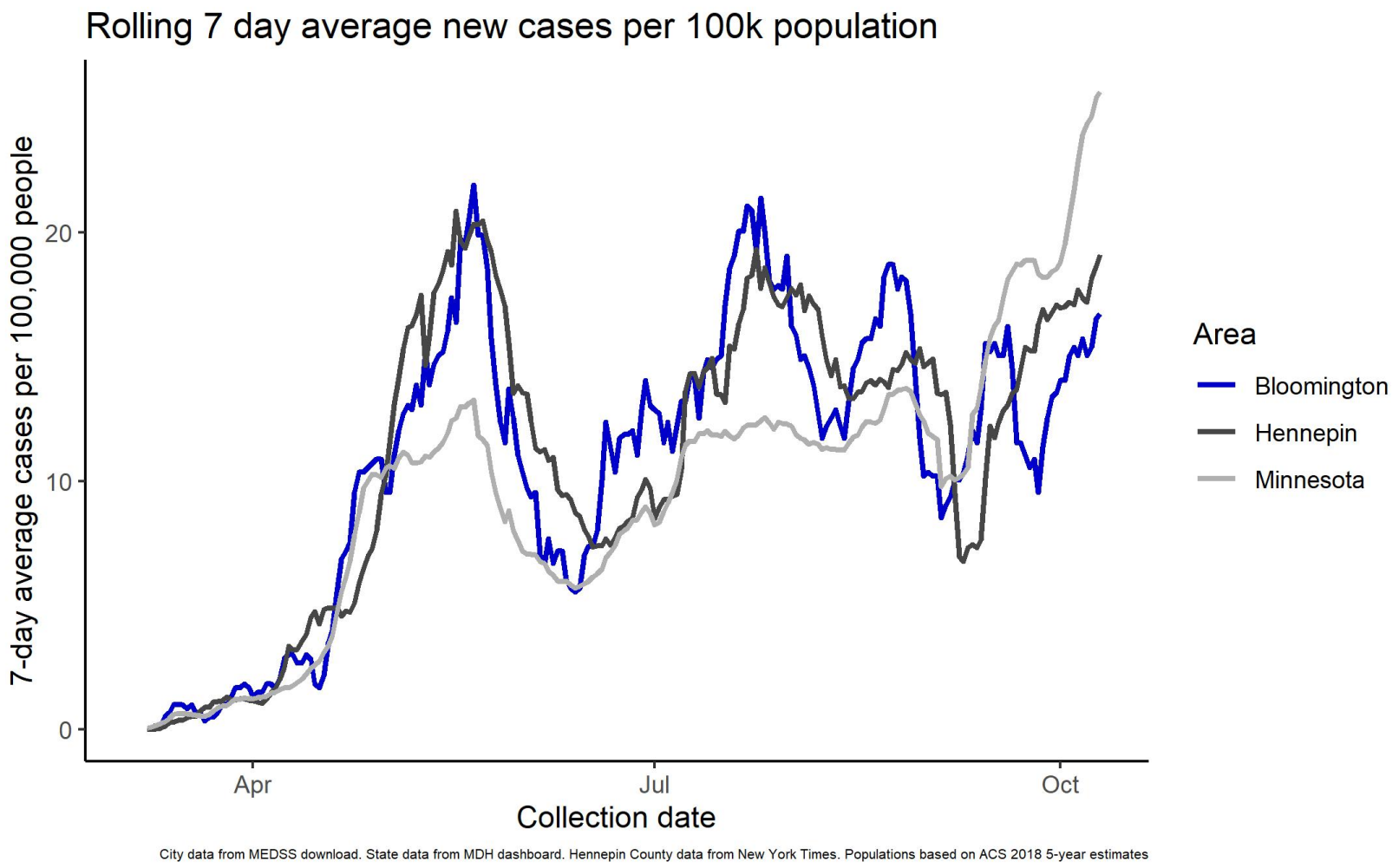

Rolling 7 day average new cases per 100k population
7-day average cases per 100,000 people
30
20
10
0
Apr
Jul
Oct
Collection date
Area
Richfield
Hennepin
Minnesota
City data from MEDSS download. State data from MDH dashboard. Hennepin County data from New York Times. Populations based on ACS 2018 5-year estimates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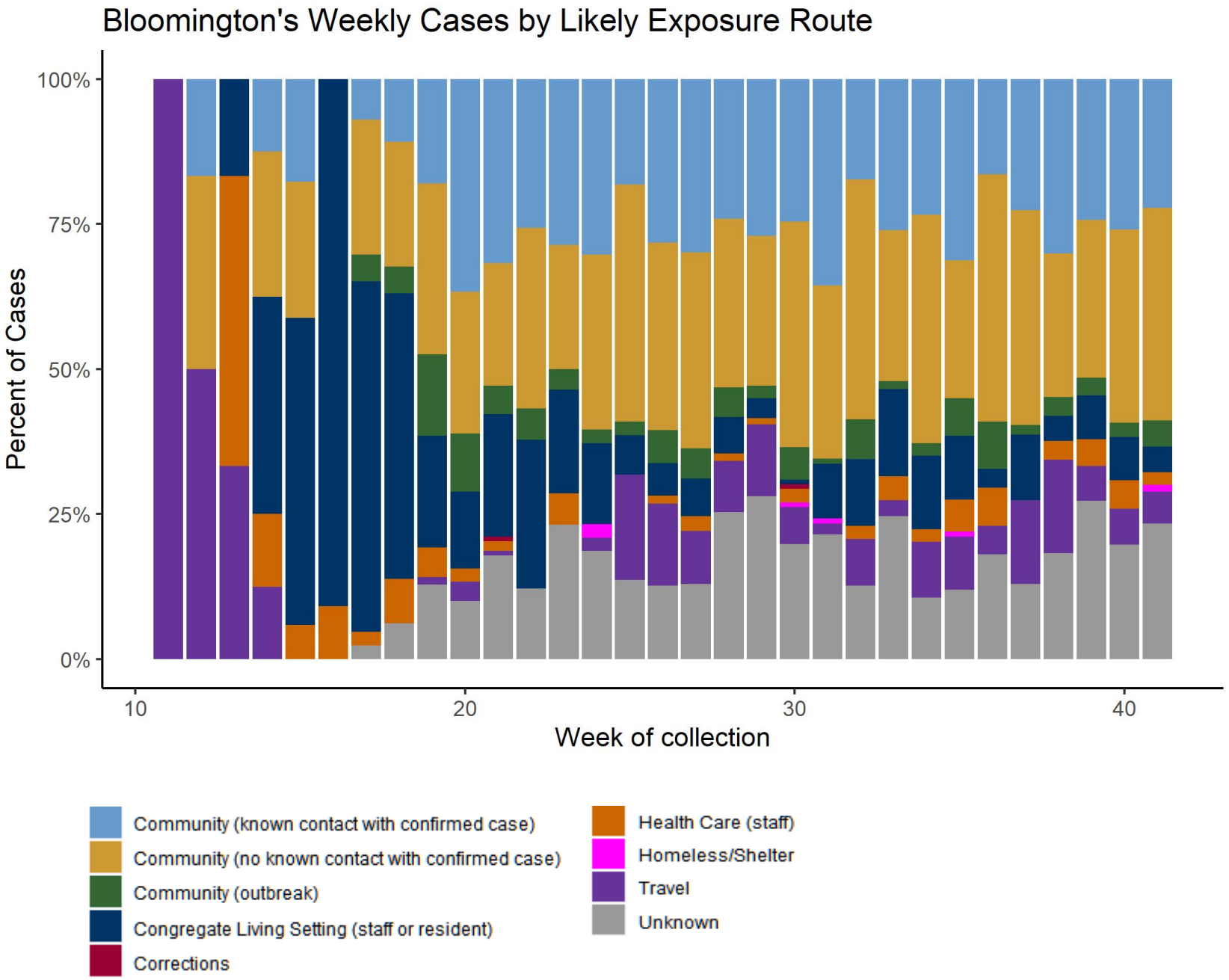
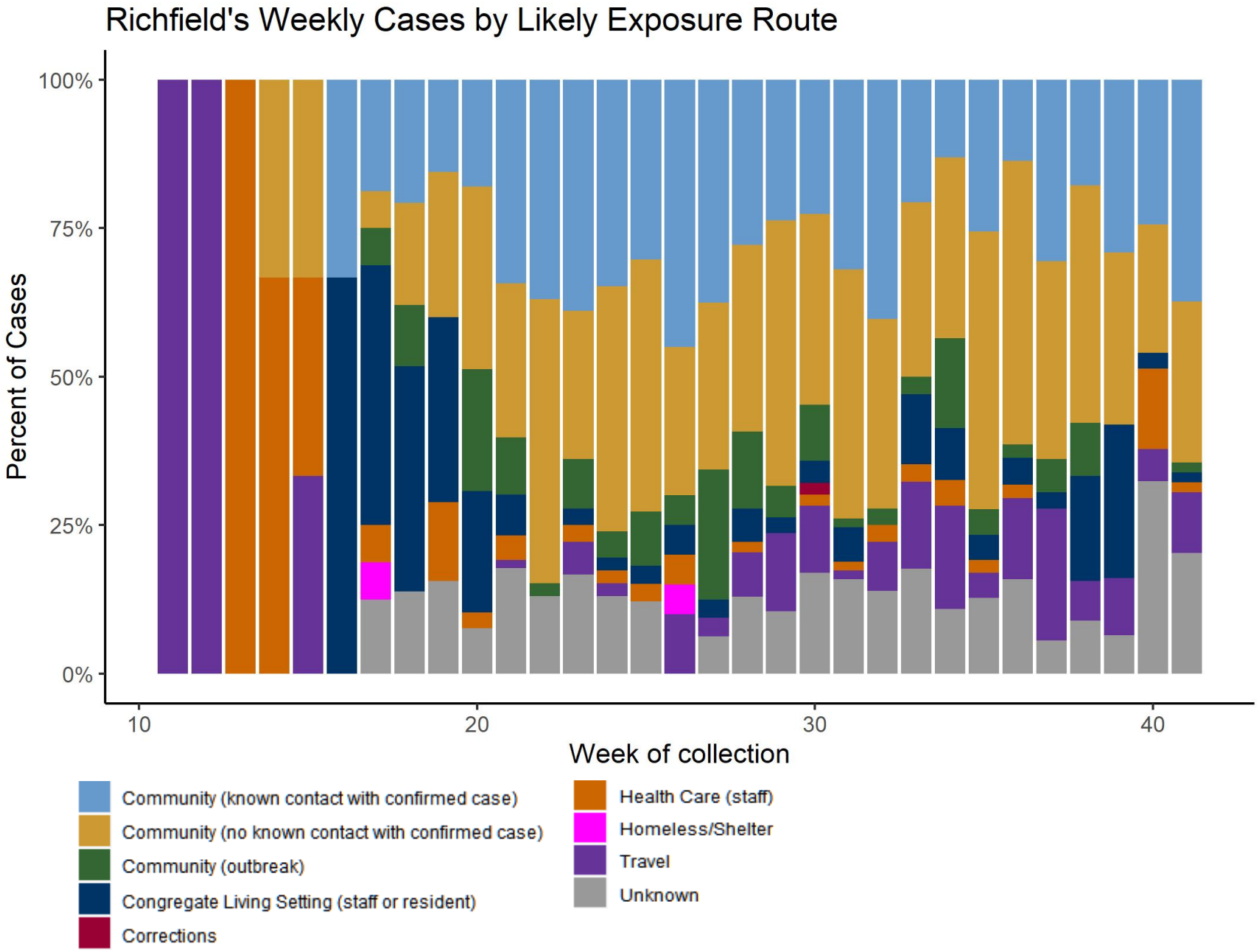

Bloomington's Weekly Cases by Likely Exposure Route
100%
75%
50%
25%
0%
Percent of Cases
10
20
30
40
Week of collection
Community (known contact with confirmed case)
Community (no known contact with confirmed case)
Community (outbreak)
Congregate Living Setting (staff or resident)
Corrections
Health Care (staff)
Homeless/Shelter
Travel
Unknown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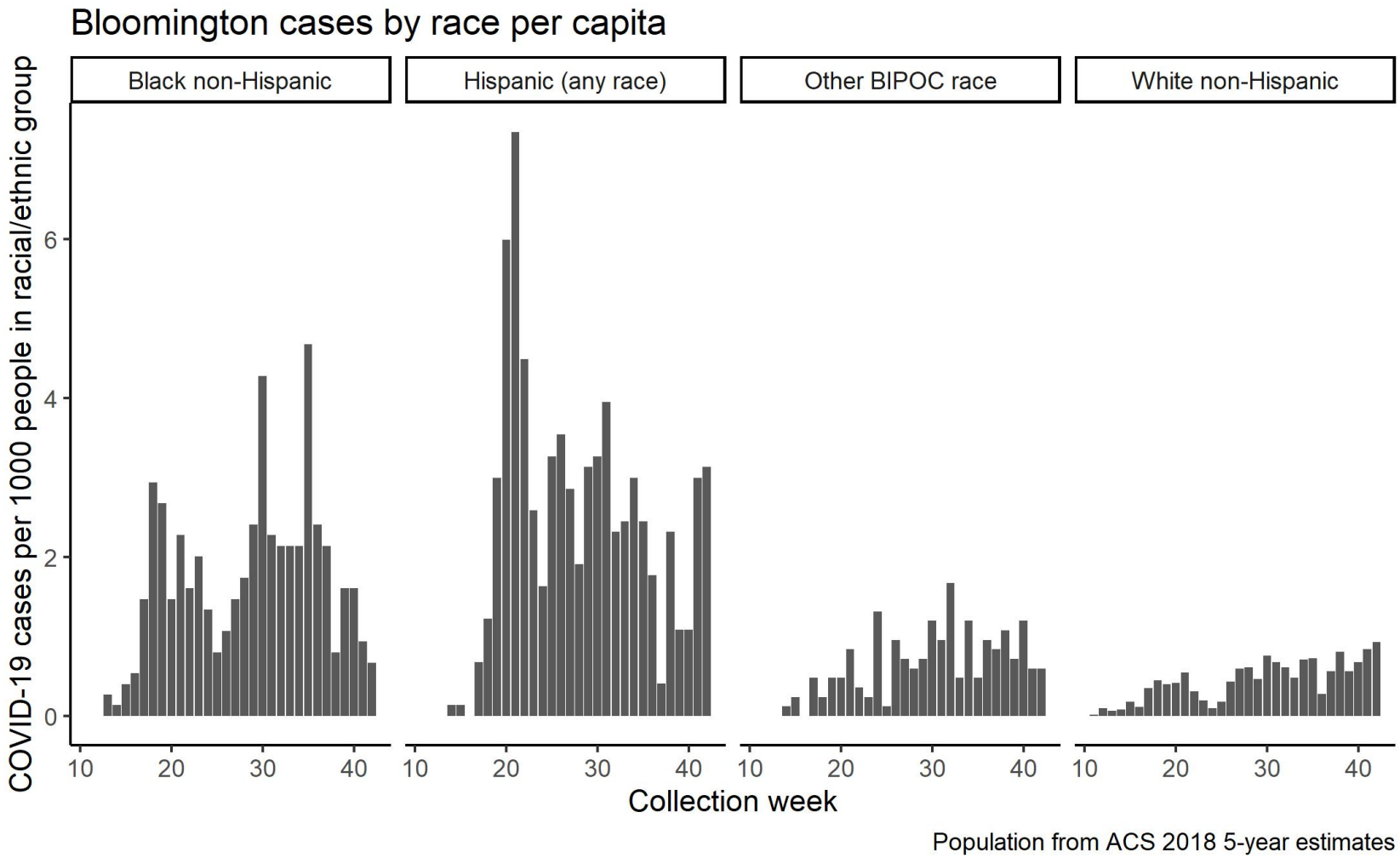
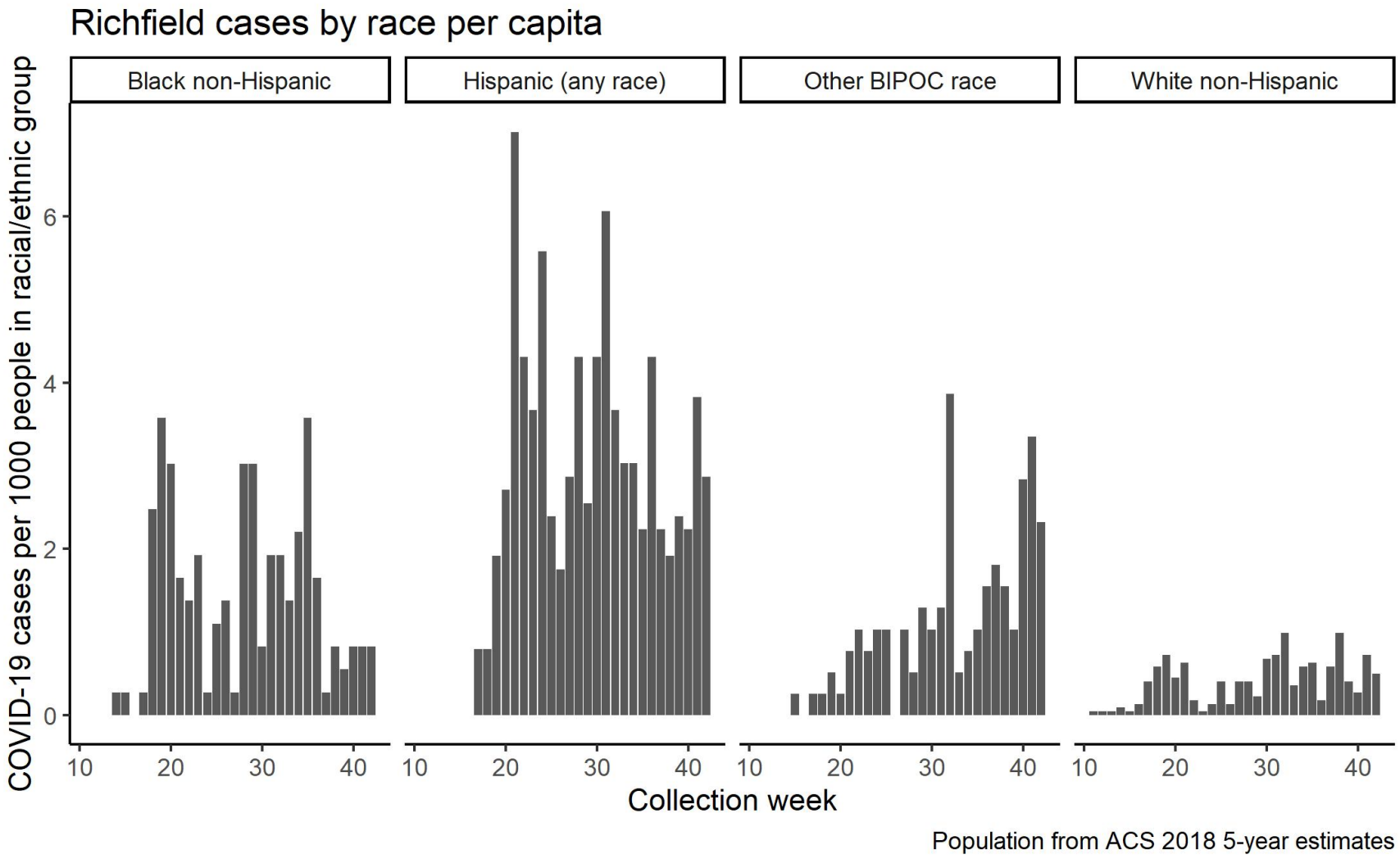

Bloomington cases by race per capita
Black non-Hispanic
Hispanic (any race)
Other BIPOC race
White non-Hispanic
COVID-19 cases per 1000 people in racial/ethnic group
0
2
4
6
10
20
30
40
Collection week
Population from ACS 2018 5-year estimates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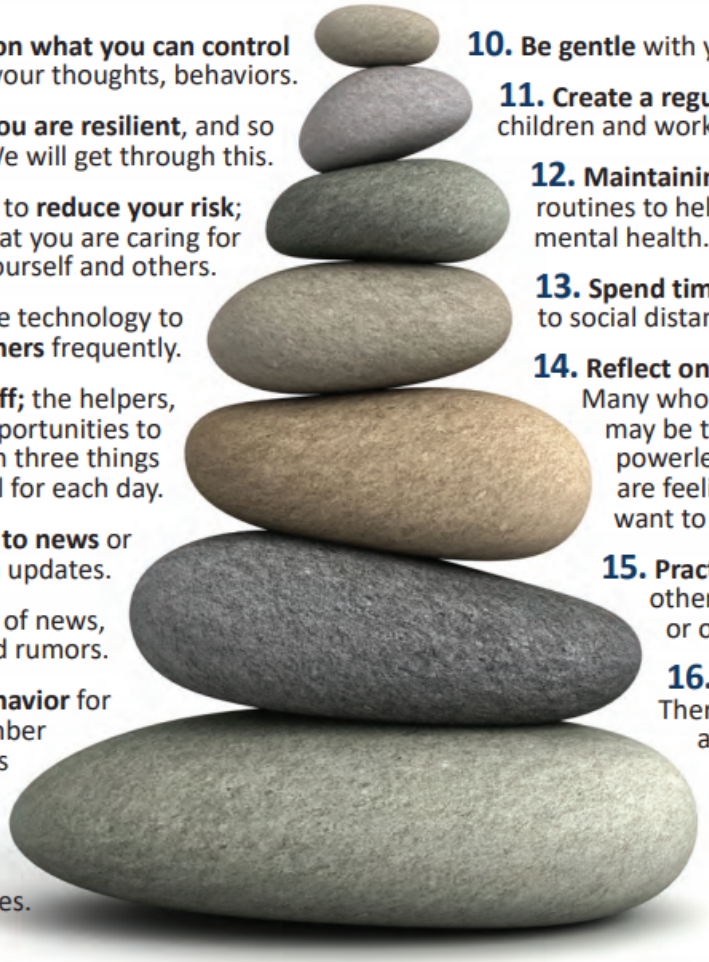
Local Epi insights (Wk 41 Oct4-10)

- Very few individuals infectious at school
- 1/3 of B/R individuals worked while infectious
- Potential exposures:
  - 37% of R and 26% of B cases visited a restaurant or bar
  - 22% of B/R cases went to large gatherings (parties, weddings or church)

Find your happy place.

TIPS TO REDUCE COVID-19 STRESS



1. **Focus on what you can control** – including your thoughts, behaviors.
2. **Remember that you are resilient**, and so is humankind. We will get through this.
3. Do what you can to **reduce your risk**; take comfort that you are caring for yourself and others.
4. Use technology to **connect with others** frequently.
5. **Look for the good stuff;** the helpers, time with family, and opportunities to pull together. Write down three things you are grateful for each day.
6. **Limit exposure to news** or social media updates.
7. **Use reputable sources** of news, avoid speculation and rumors.
8. **Model peaceful behavior** for those around you. Remember everyone experiences stress in different ways.
9. **Don't let fear influence** your decisions, such as hoarding supplies.
10. **Be gentle** with yourself and others.
11. **Create a regular routine,** especially for children and work from home.
12. **Maintaining a healthy diet** and **exercise** routines to help your immune system and mental health.
13. **Spend time in nature** while adhering to social distancing guidelines.
14. **Reflect on your reactions.** Many who have experienced trauma may be triggered by feelings of powerlessness. Understanding what you are feeling can help you consider how you want to respond to the triggers.
15. **Practice meditation,** yoga, or other mind-body techniques. Find apps or online videos to help.
16. **Reach out if you need to talk.** There are local and national hotlines and warmlines that can help!

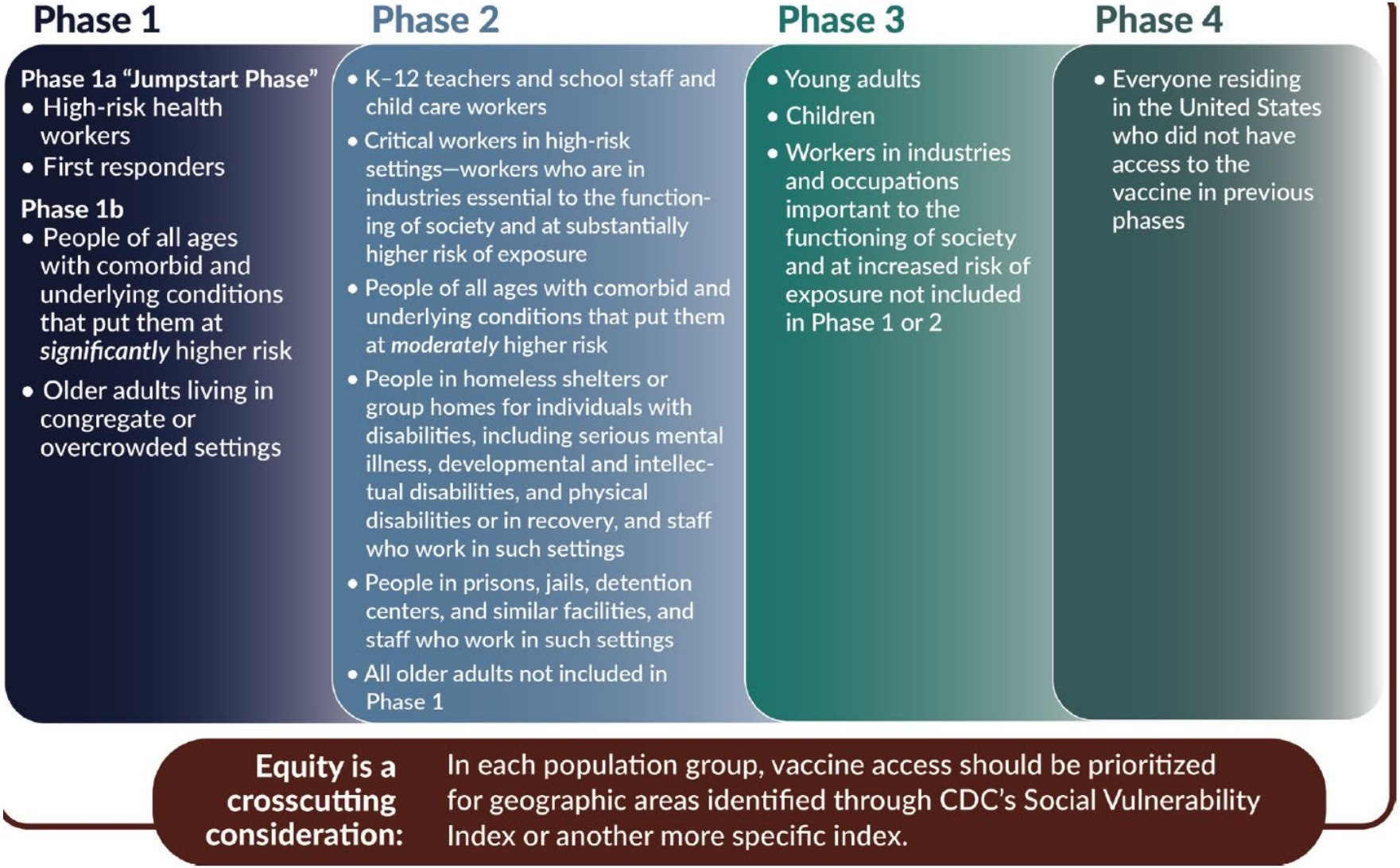
DISASTER DISTRESS HELPLINE
1-800-985-5990
'TalkWithUs' TEXT **66746**

DEPARTMENT OF HEALTH

health.mn.gov | 03/27/2020

Vaccination

- Get your flu shot
- COVID-19 vaccine
  - Four vaccines in phase three trials
    - We will get our first insight into how well vaccines work in the coming weeks
    - FDA following rigors process for evaluation and being transparent
  - We may see some vaccine towards the end of this year
    - Widespread usage likely not until the summer of 2021


Phase 1
Phase 1a "Jumpstart Phase"
• High-risk health workers
• First responders
Phase 1b
• People of all ages with comorbid and underlying conditions that put them at *significantly* higher risk
• Older adults living in congregate or overcrowded settings
Phase 2
• K–12 teachers and school staff and child care workers
• Critical workers in high-risk settings—workers who are in industries essential to the functioning of society and at substantially higher risk of exposure
• People of all ages with comorbid and underlying conditions that put them at *moderately* higher risk
• People in homeless shelters or group homes for individuals with disabilities, including serious mental illness, developmental and intellectual disabilities, and physical disabilities or in recovery, and staff who work in such settings
• People in prisons, jails, detention centers, and similar facilities, and staff who work in such settings
• All older adults not included in Phase 1
Phase 3
• Young adults
• Children
• Workers in industries and occupations important to the functioning of society and at increased risk of exposure not included in Phase 1 or 2
Phase 4
• Everyone residing in the United States who did not have access to the vaccine in previous phases
Equity is a crosscutting consideration:
In each population group, vaccine access should be prioritized for geographic areas identified through CDC's Social Vulnerability Index or another more specific index.

Mitigation strategies

- Social distance
- Ventilation
- Wear a mask
- Stay home when symptomatic and get tested
- Wash hands
- Clean frequently touched surfaces

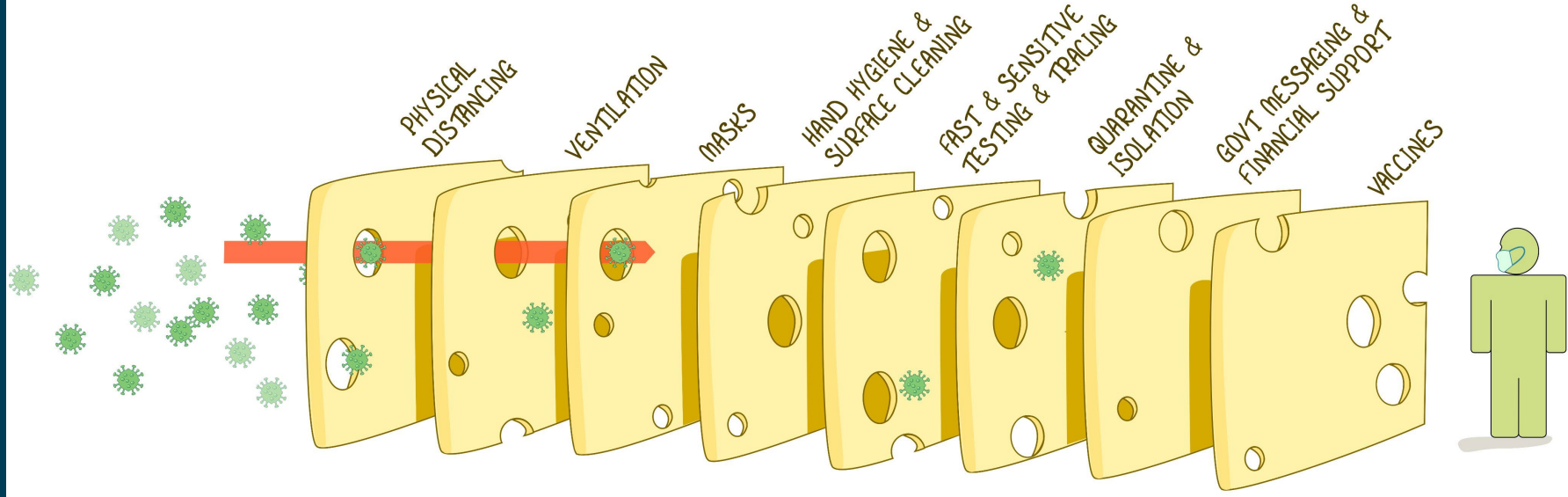
Lowering your risk for COVID-19

MINNESOTA | STAY SAFE MN

Minnesota Department of Health | health.mn.gov | 651-201-5000 | Contact health.communications@state.mn.us to request an alternate format. 09/28/2020

The Swiss Cheese Respiratory Virus Pandemic Defence

Recognising that no single intervention is perfect at preventing spread



Each intervention (layer) has imperfections (holes).
Multiple layers improve success.

Ian M Mackay
virologydownunder.com

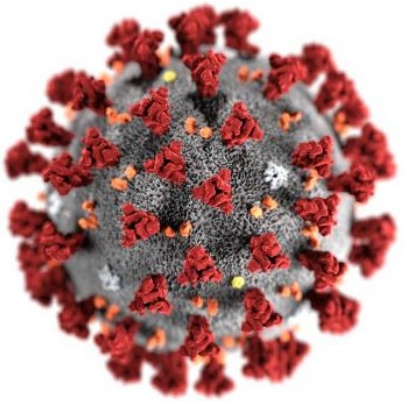
Based on the Swiss cheese model of accident causation, by James T Reason, 1990
version 2
update: 15oct2020

https://twitter.com/MackayIM

Winter planning tips

- Practice self care – model it for your staff
- Continue to diligently follow guidance from EH and MDH
- Continue to innovate – using food to spread joy and happiness
- Practice self care

Question



Alissa Eckert, MS, Dan Higgins, MAM