



# COVID-19: Responding with Data, Not Fear

---

Using Employee Benefits Data to Assess Risk

March 24, 2020





# Chris Savoie

VP of New Products

---

- Works with product management, user experience, and health analytics experts to help large enterprise organizations make the most of their employee benefits data
- Nearly 20 years of driving software and analytic solutions forward across multiple industries
- Is an expert Scrabble player



# Dr. Rance Hutchings

Chief Clinical Officer

---

- Doctor of Pharmacy from University of Washington
- President and founder of Intermountain Drug Consulting, P.C. – a pharmacy consulting firm and an expert Scrabble player
- Working with providers in Washington State on Coronavirus outbreak



## Rachel Myrer

### Healthcare Analyst

---

- Analytics expert, works with medical, pharmacy, wellness, biometric, and dozens of other types of data
- Master of Public Health from University of Utah, adjunct professor at Westminster College
- Avid bike commuter

## OUR PURPOSE

---

**Turn the world's health data into great healthcare everyone can afford.**

## OUR APPROACH

---

**We empower U.S. employers and their advisors to optimize health benefits using data.**



# COVID-19 Risk Assessment

---

Demo of Analysis

# Respond with data, not fear.

## COVID-19 Risk Assessment

For demo purposes only

### Age

Eligible Member Counts Grouped by Age Based Mortality Rates as of 3/11/2020

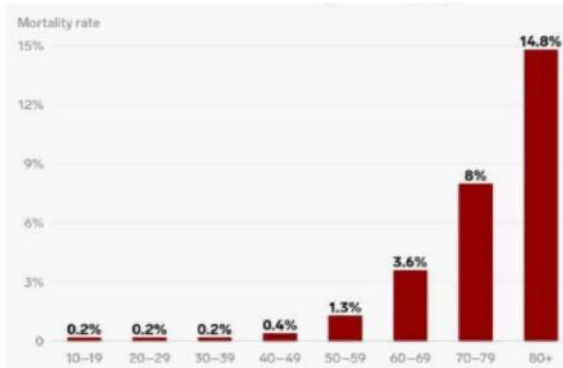
Members 10-39	Members 40-49	Members 50-59	Members 60-69	Members 70-79	Members > 80
20,139	6,471	6,665	5,682	2,113	805
Fatality Rate 10-39	Fatality Rate 40-49	Fatality Rate 50-59	Fatality Rate 60-69	Fatality Rate 70-79	Fatality Rate >80
0.2%	0.4%	1.3%	3.6%	8.0%	14.8%

Source: <http://weekly.chinacdc.cn/en/article/id/e53946e2-c6c4-41e9-9a9b-fea8db1a8f51>

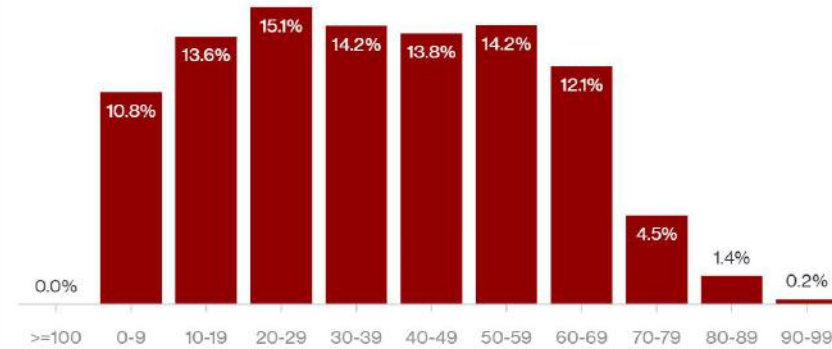


# Respond with data, not fear.

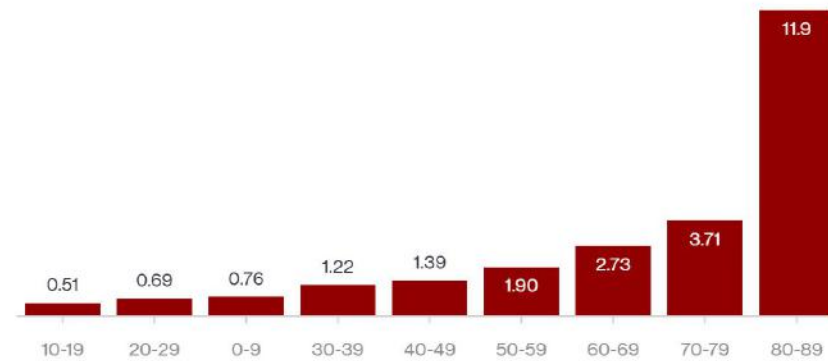
COVID Mortality by Age



Percent of Eligible Members by Age Bins



Avg Unscaled Risk Score by Age Bins



Avg Unscaled Risk Score - Total Population

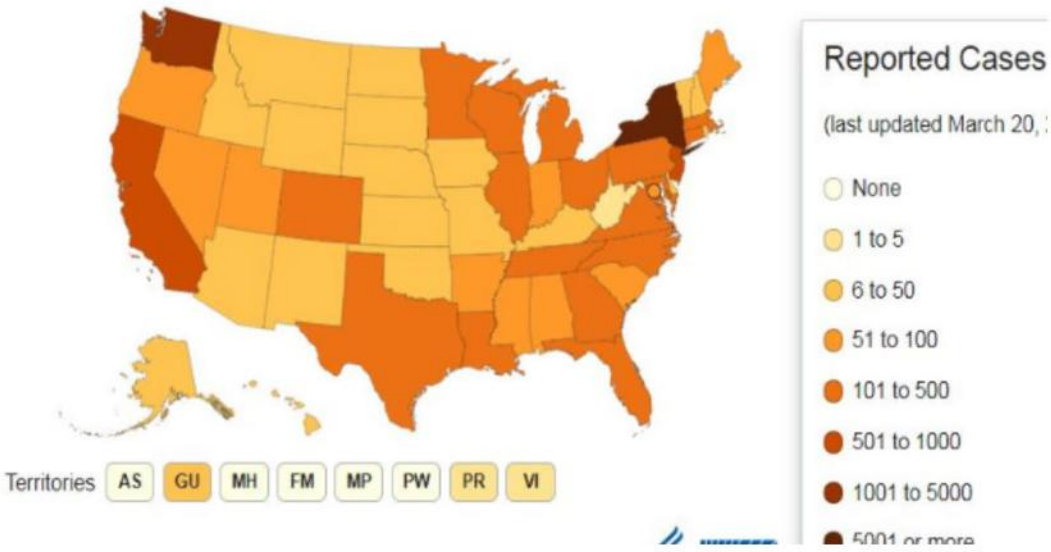
1.22

# Respond with data, not fear.

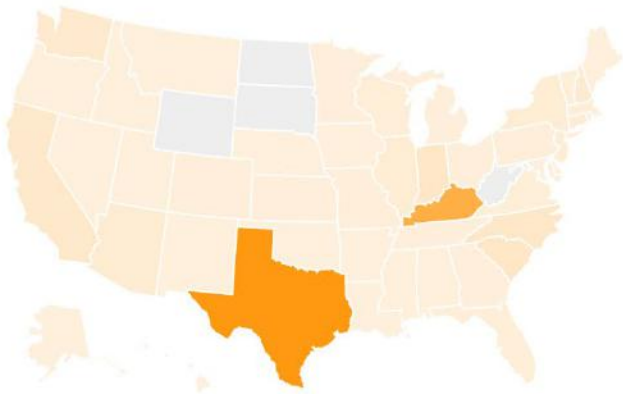
## Population Centers

Comparison of geographic presence of your employees compared to states reporting cases as of 3/20/2020

Compare your population to the states reporting cases of COVID-19 to CDC here:

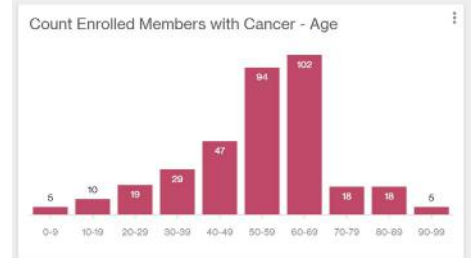
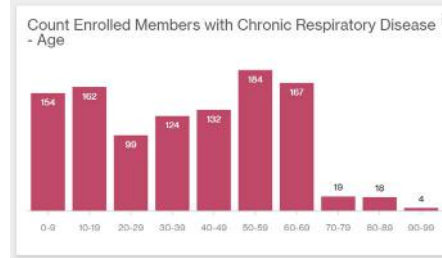
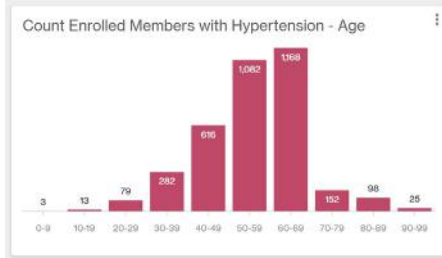
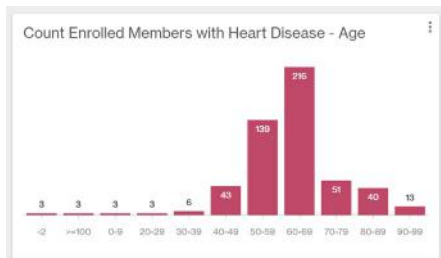
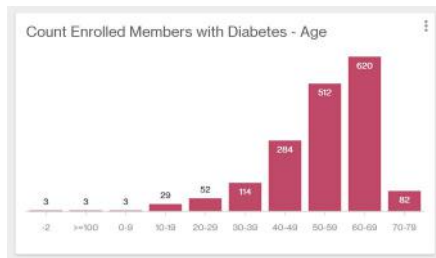
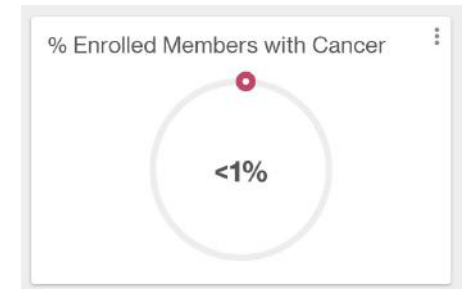
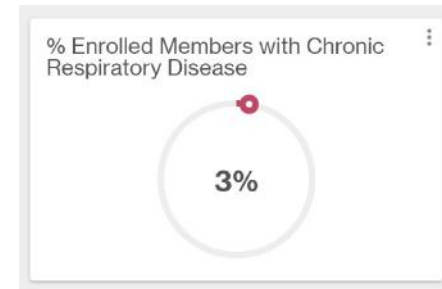
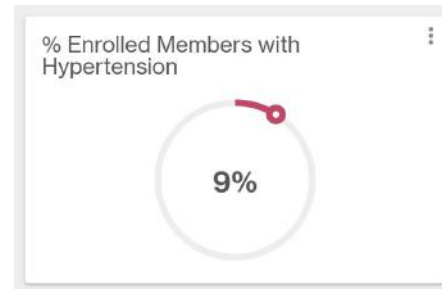
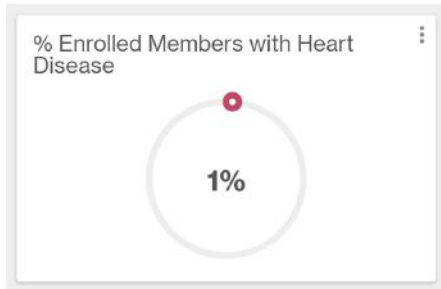
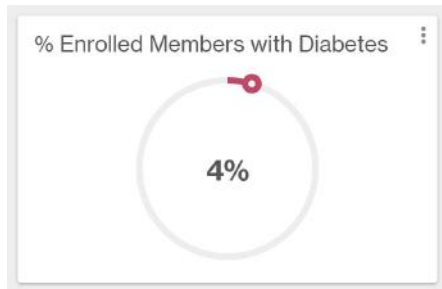


Count Eligible Members by Home State



Source: <https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html#reporting-cases>

# Respond with data, not fear.



Source: <https://www.cdc.gov/coronavirus/2019-ncov/summary.html>

# Our Experience

---

Learnings from Washington State

# Panel Discussion

---

How Employers Can Respond With Data, Not Fear



## Question:

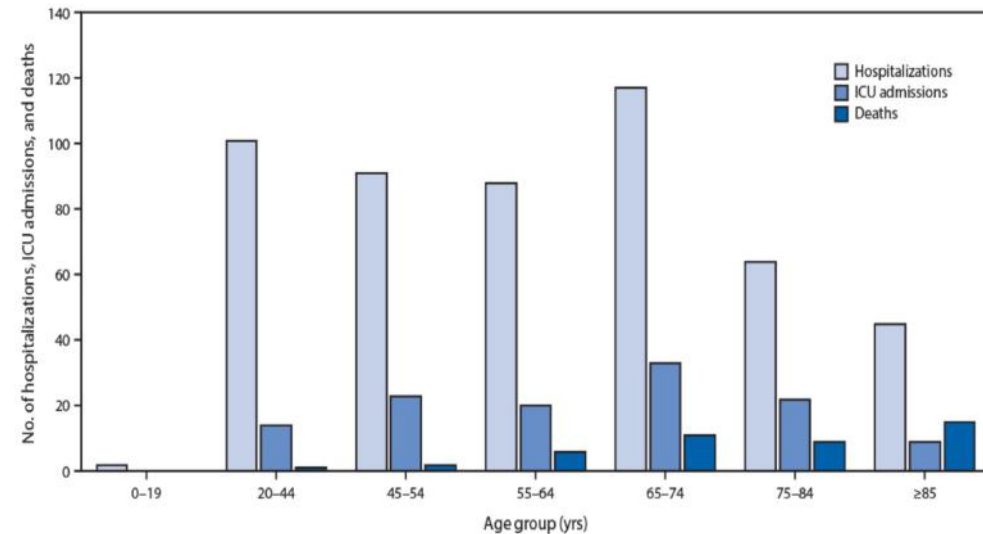
What is the difference between risk of mortality and the severe symptoms that do seem to be prevalent in the younger age groups?



## Question:

Many folks feel like the age-based severity of COVID-19 means that young, healthy people should not worry about this as much. What would you say to them?

FIGURE 2. Coronavirus disease 2019 (COVID-19) hospitalizations,\* intensive care unit (ICU) admissions,<sup>†</sup> and deaths,<sup>§</sup> by age group — United States, February 12– March 16, 2020





## Question:

As we have rolled this story out, how have our customers reacted to the data?

*“You are ahead of the game with the COVID-19 story and it has timely information that is important to our organization.”*

*“Impressive to see you all were able to pull this reporting together so quickly. Allowing employers to see how this ties to their direct population is powerful!”*

*“Thank you, we really appreciate it. I checked the Story out and it is really helpful.”*





## Question:

Why do you think it is important to be data driven in a time like this?



## Question:

With the rapidly evolving situation and data, what is Artemis doing to continue to take a data driven approach?



## Question:

With all of the data out there, what data should we trust and what advice would you give employers, parents, and pretty much anyone to find the right data and make the best possible decisions?



Learn more on our COVID-19 resources page at [artemishealth.com/covid19](https://artemishealth.com/covid19)



Join us next week at the same time for part two of our COVID-19 webinar series



*“When I was a boy and I would see scary things in the news, my mother would say to me, “Look for the helpers. You will always find people who are helping.”*

*To this day, especially in times of “disaster,” I remember my mother’s words, and I am always comforted by realizing that there are still so many helpers-so many caring people in this world.”*

*- Fred Rogers*

# Q&A

---

Ask our experts your questions.

# Thank you.

