Environmental Impacts on Mental Health and Resilience Subcommittee

December 14, 2020



Mental Health and COVID-19

- Physical Distancing and Stay-at-Home Orders Have an Impact on Mental Health
- By June 2020, More than 41% Reported at Least One Adverse
 Mental or Behavioral Health Condition (e.g., anxiety disorder,
 depressive disorder, symptoms of a trauma- and stressor-related
 disorder (TSRD), and started or increased substance use to cope
 with stress)
- 1-in-10 Adults Considered Suicide; 1-in-4 Ages 18-24 (higher rates with minorities, unpaid caregivers for adults, and essential workers)



Mental Health and COVID-19

- The Illness Itself Can Impact Mental Health
- Hundreds of Thousands Suffer from Grief with the High Death Toll
- Economic Hardship and Job Loss has Contributed to Mental Health Concerns



Impact of Coronavirus Syndromes on Physical and Mental Health of Health Care Workers

Physical Health Outcomes

- Infection
- Fatigue
- Headaches

Long Haulers

- Fatigue
- Body Aches
- Shortness of Breath
- Difficulty Concentrating
- Inability to Exercise
- Headache
- Difficulty Sleeping

Mental Health Outcomes

- Fear
- Insomnia
- Phycological Distress
- Burnout
- Depressive Symptoms
- Anxiety Features
- Post Traumatic Stress Disorder Features
- Somatization
- Stigmatization Feelings





2020 — A Year of Micro-Traumas

- Sudden Change (traumatic response)
- Loss of a Way of Life
- Job Loss and Economic Hardship
- World View Change Regarding Safety and Predictability

It is estimated that 40-100% of people in certain communities will experience PTSD.

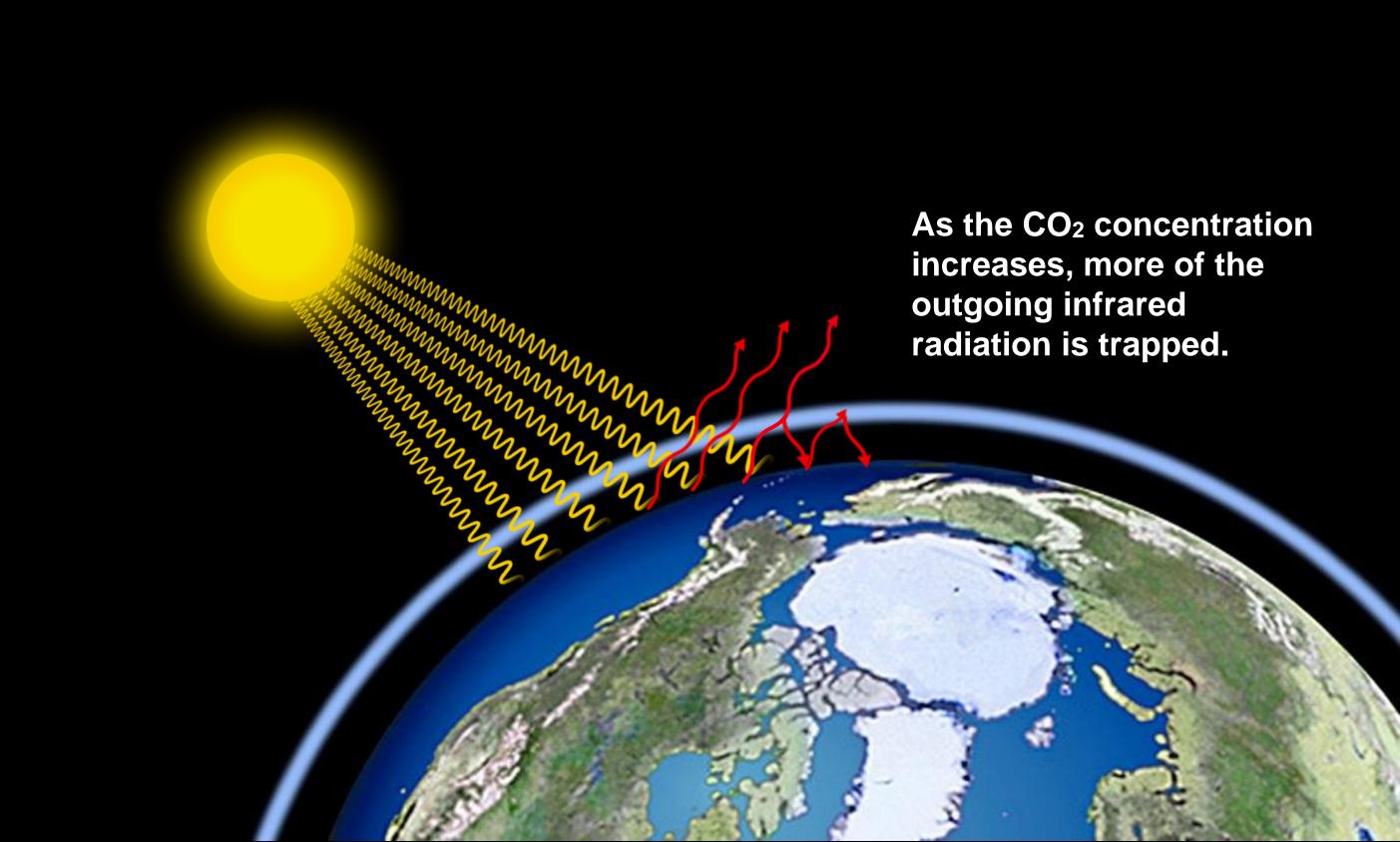
"PTSD correlates closely with economic adversity and unemployment."

Climate Change and the Climate Emergency

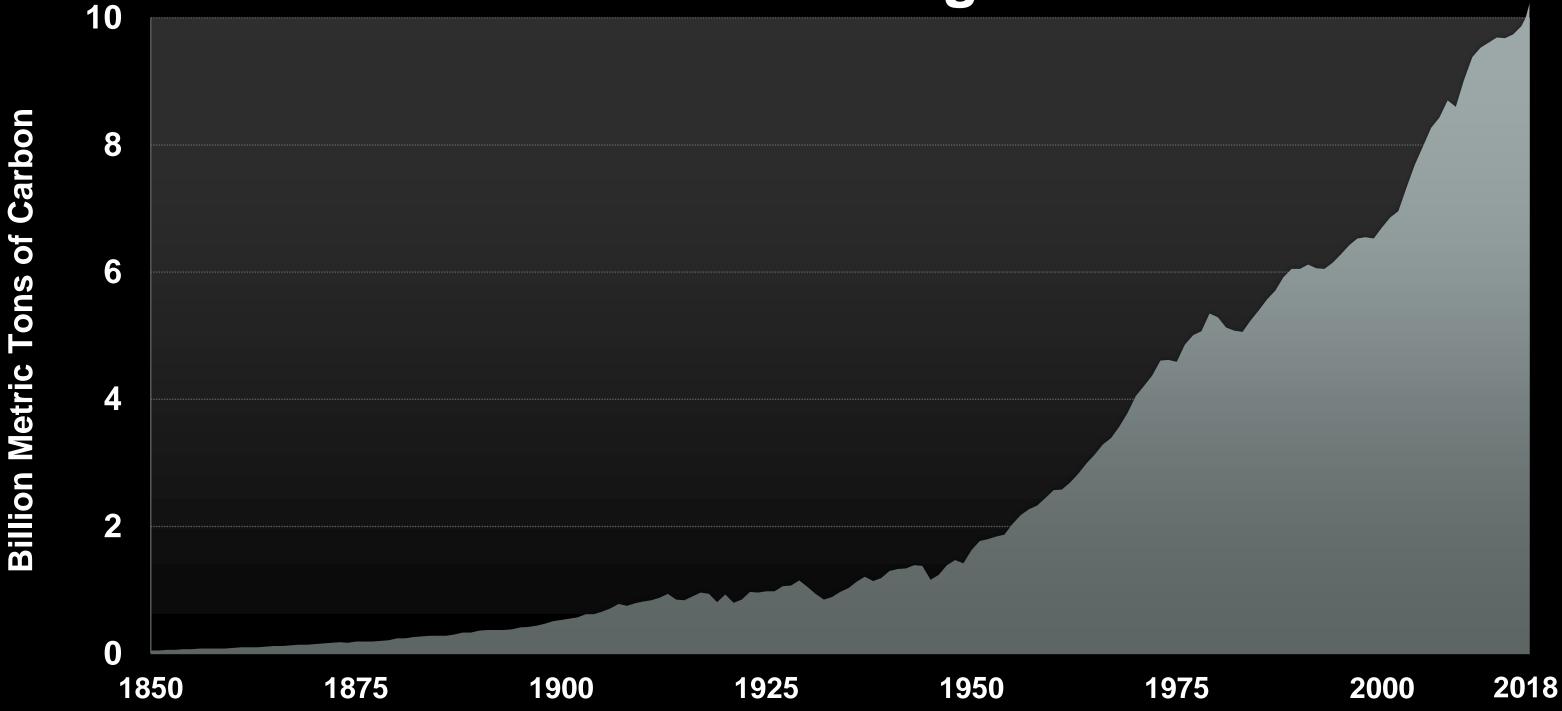








The Largest Source of Global Warming Pollution Is the Burning of Fossil Fuels

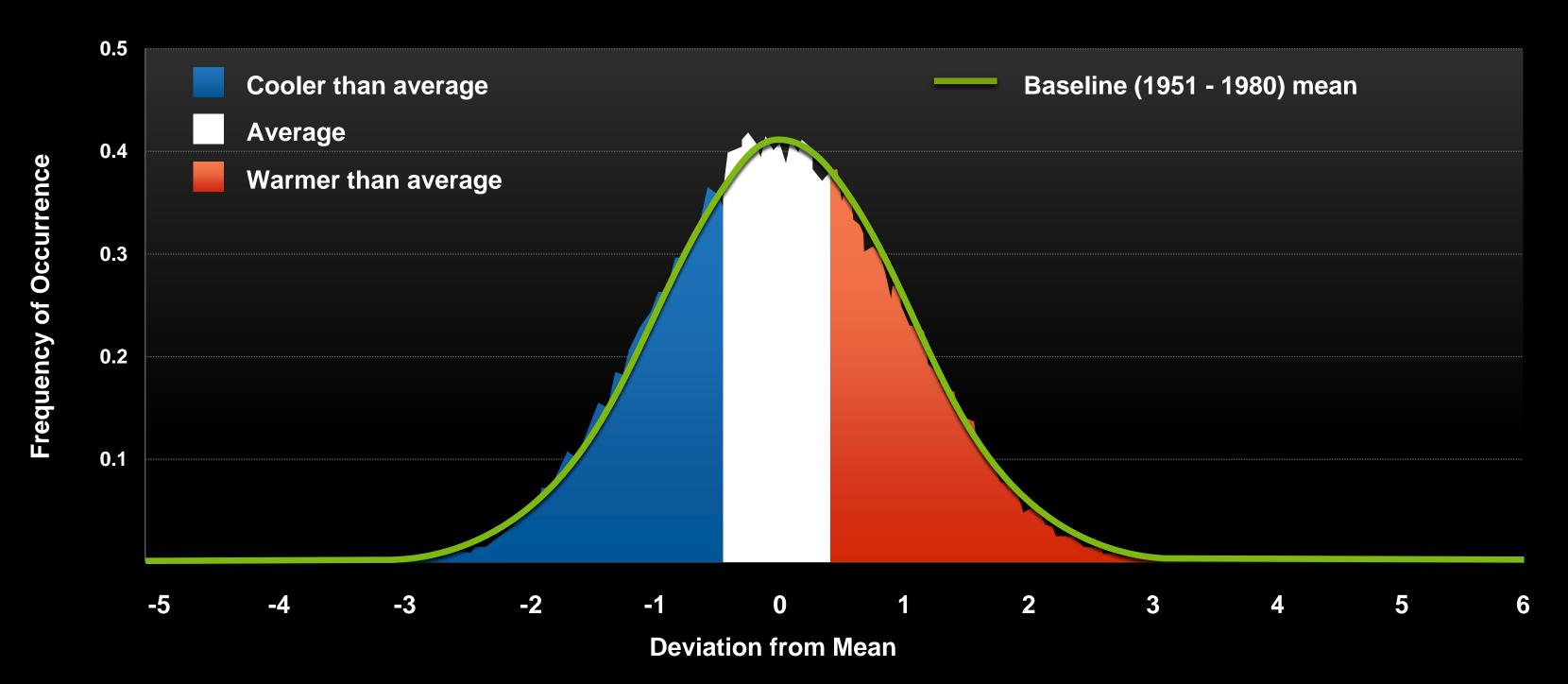


Data: U.S. Department of Energy/CDIAC

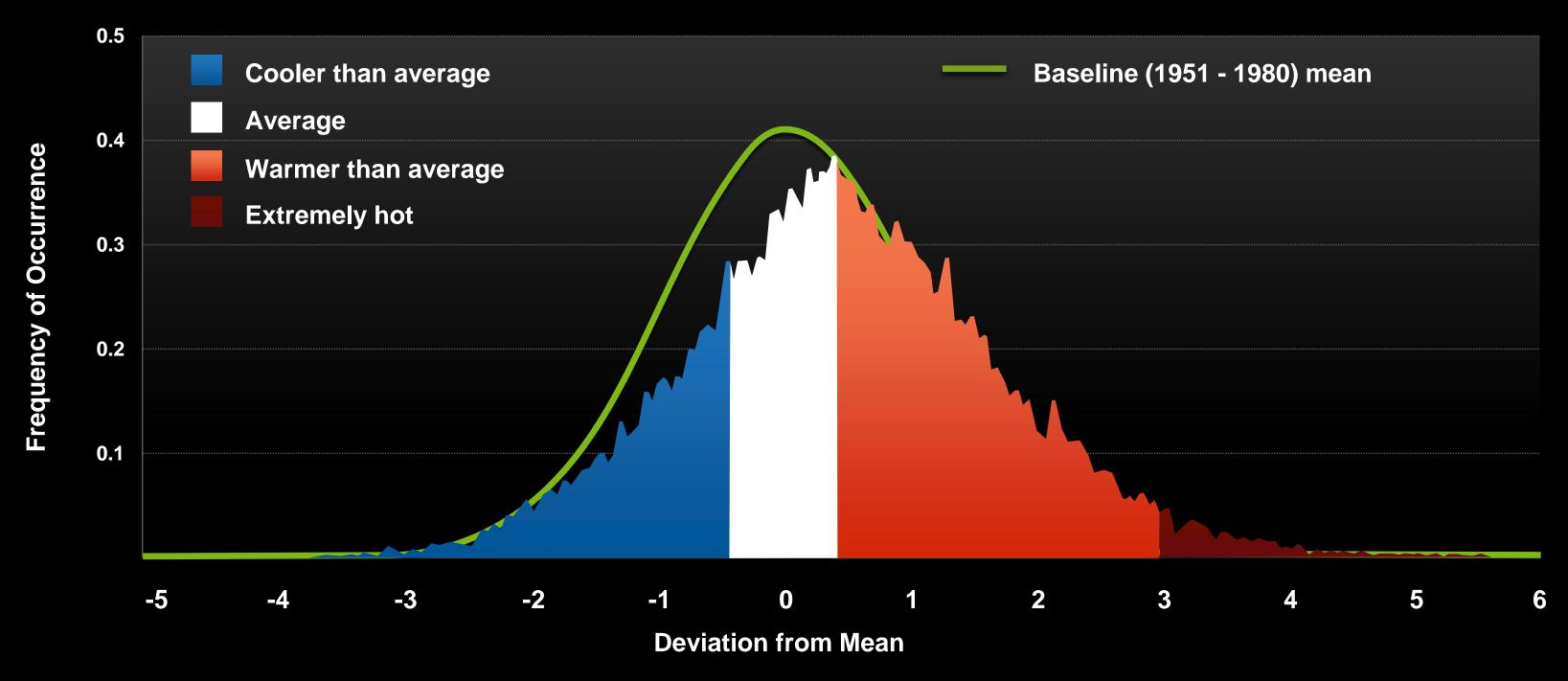
CO₂ is being released into the atmosphere faster than at any time in at least the last 66 million years.

Summer Temperatures Have Shifted

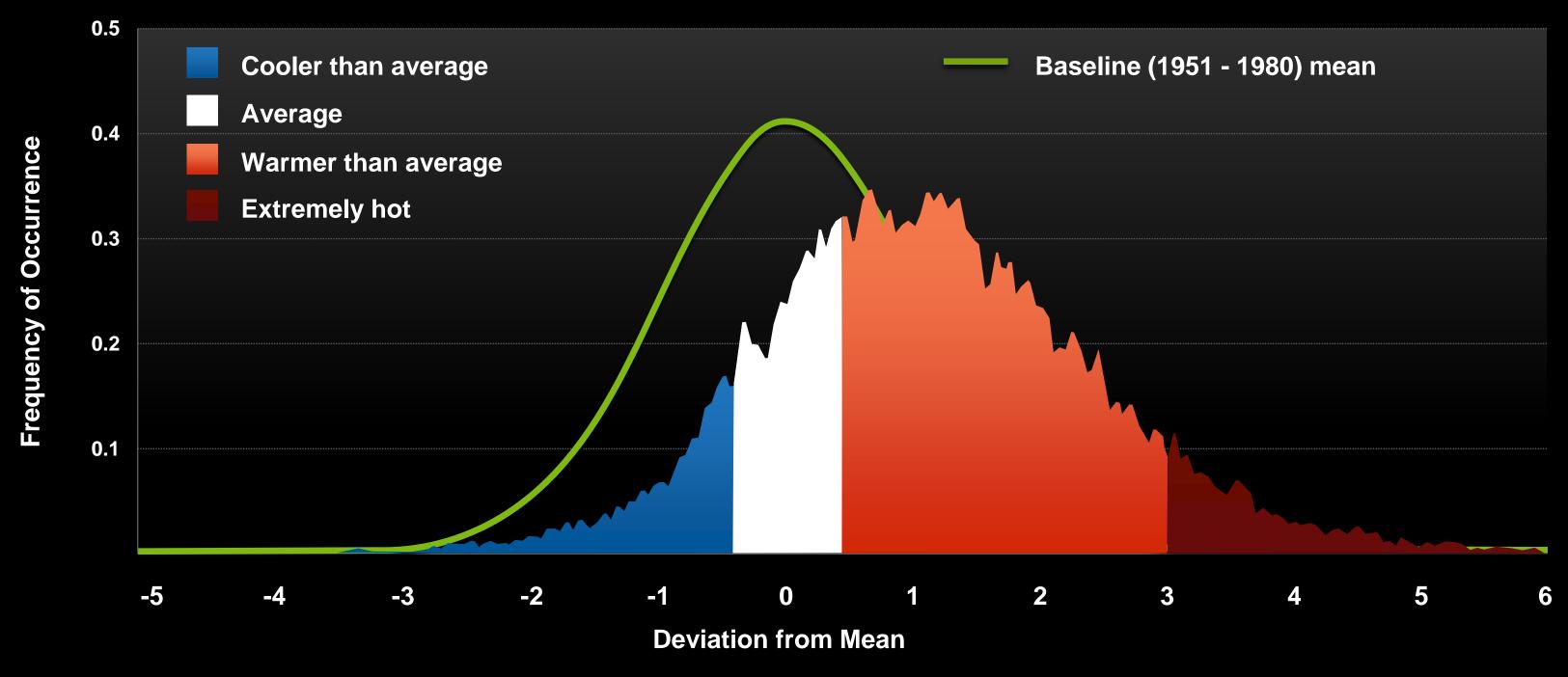
1951 – 1980



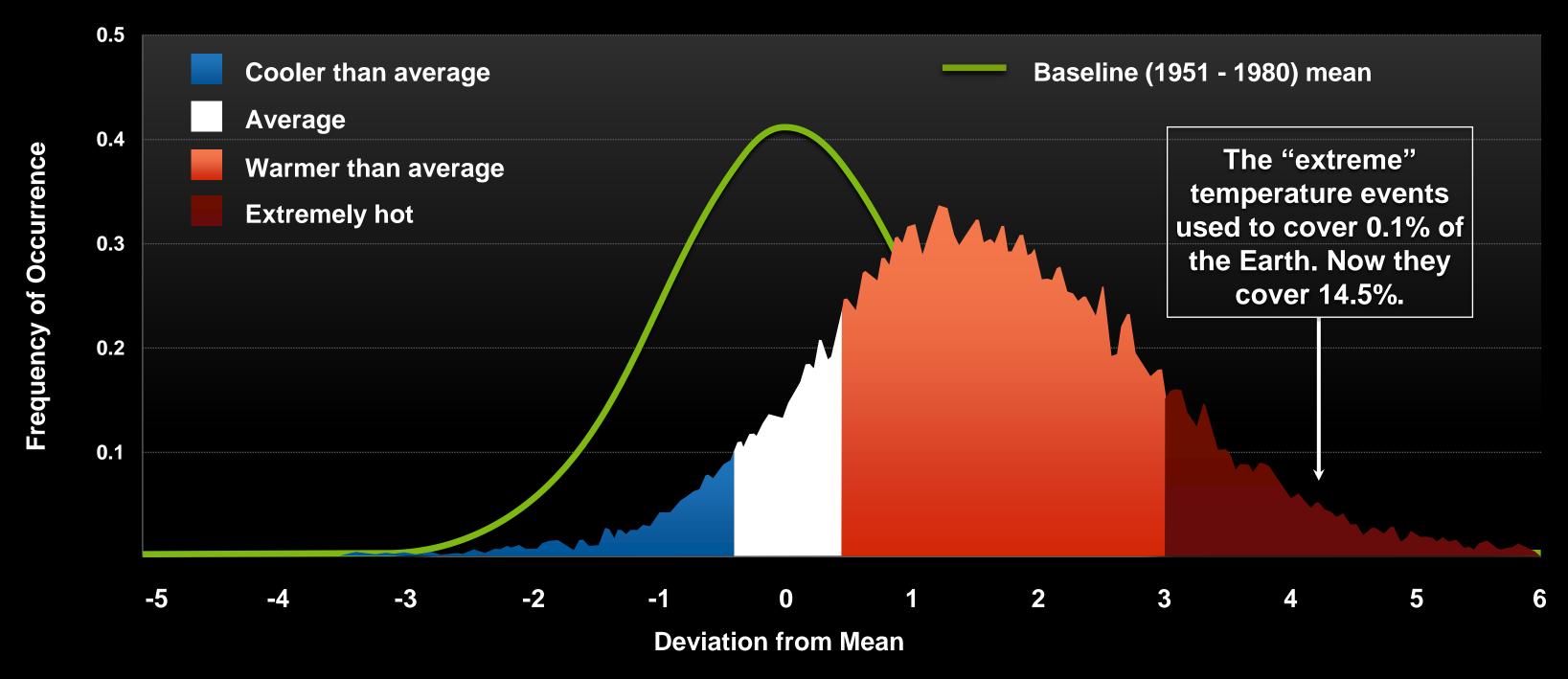
1983 – 1993



1994 - 2004



2005 - 2015



The mental health impacts of climate change are significant!

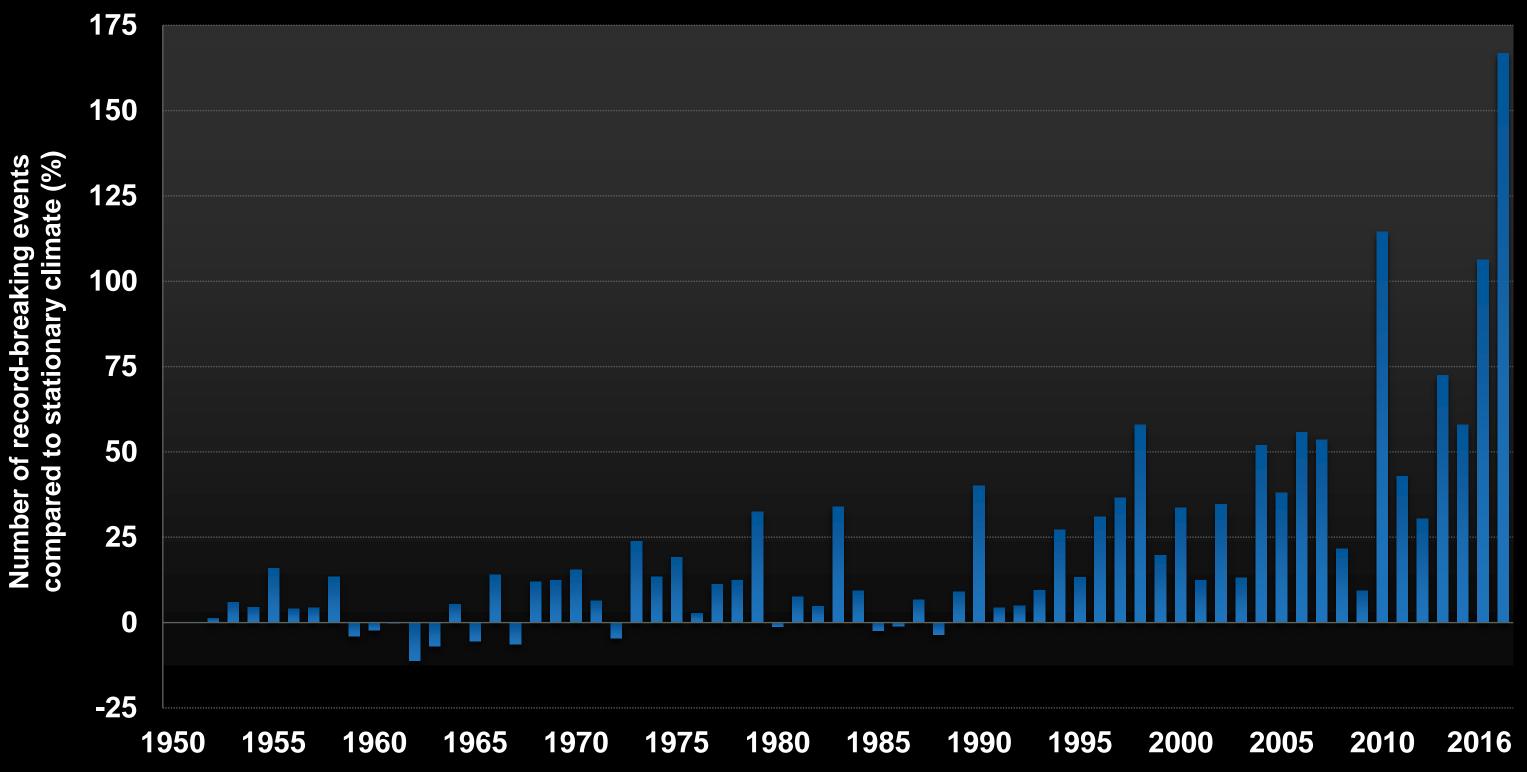
- Violence
- Mood
- Cognition
- Insomnia
- Medication Effectiveness

With each additional 1° (C) of terresamentyes vonstenerter vapor overdaeityckahelthan there avant omyesovaneansaupr increases by 7%.

So the downpours get bigger!



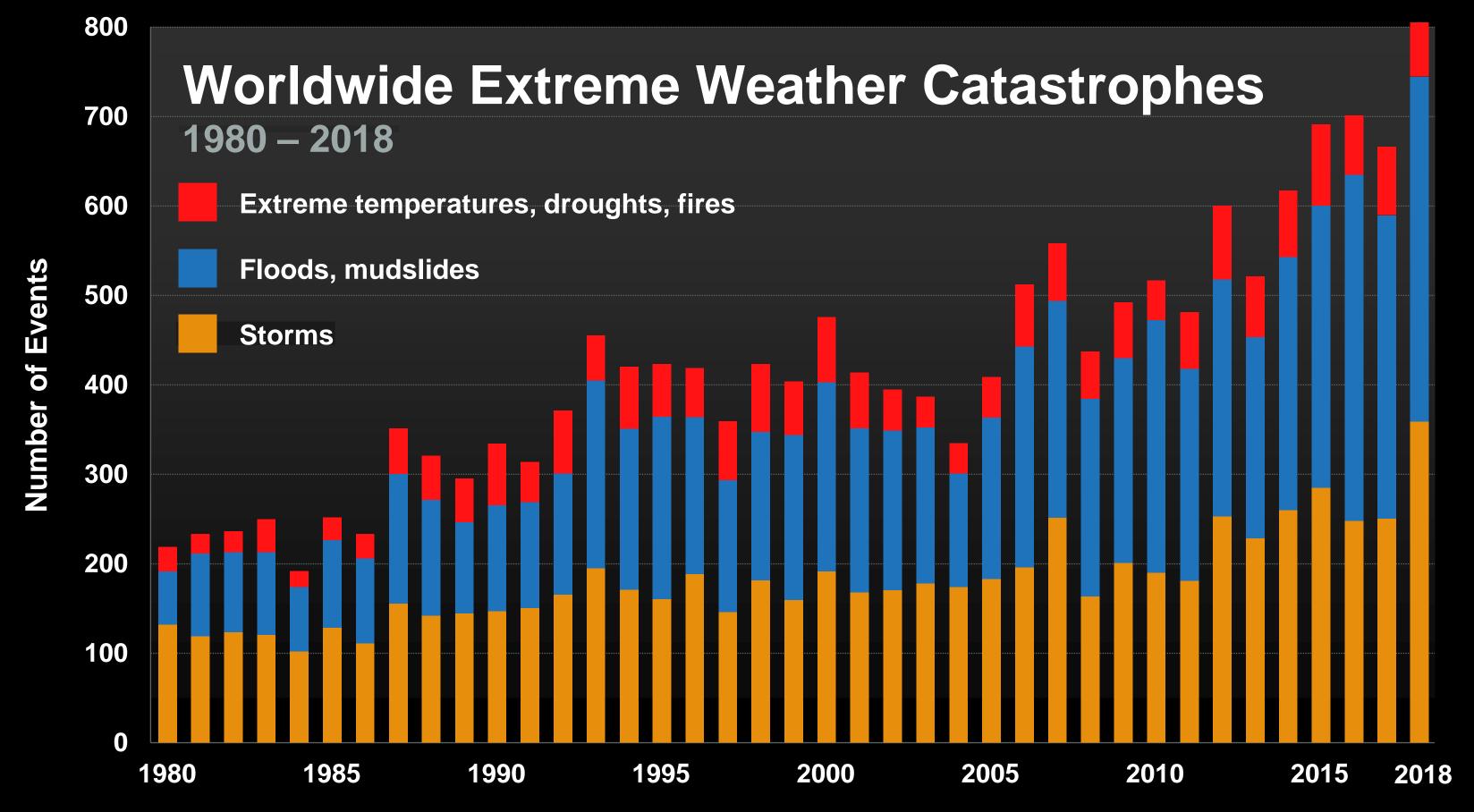
Global Record-Breaking Precipitation Anomalies



Globally, floods and extreme rainfall events now occur four times more often than in 1980.

The U.S. could see up to an additional 400% increase in extreme downpours by the end of this century.





Economic losses from extreme weather totaled \$653 billion over the past two years alone.

"...the gravest effects of all attacks on the environment are suffered by the poorest."

Encyclical Letter of
His Holiness, Pope Francis
On Care for our Common Home
June 18, 2015

"Climate change is the biggest global health threat of the 21st century."

The 2018 Report of the Lancet Countdown on Health and Climate Change



































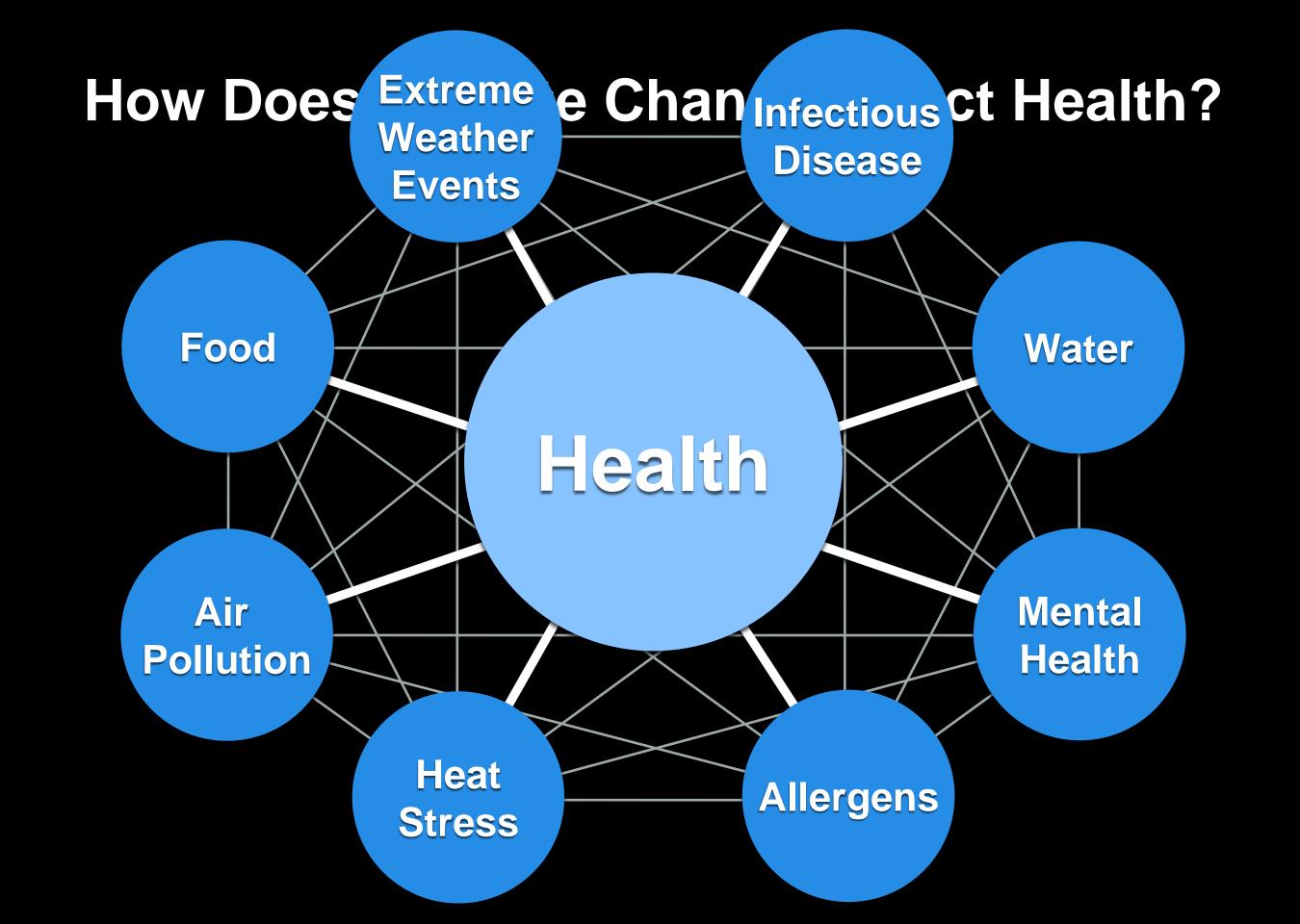






"The health impacts of climate change demand immediate action."

Declaration on Climate Change and Health 2017



Extreme heat events cause more deaths annually in the U.S. than all other extreme weather events combined.

We Need to Reduce Carbon - and We Also Need to Focus on RESILIENCE

Factors of Resilience

- Cognitive Flexibility
- Altruism
- Strong or Heroic Role Models
- Adeptness at Facing Fears
- Physical Fitness
- A Supportive Social Network
- Active Coping Skills
- A Sense of Humor
- A Personal Moral Compass or Shatterproof Set of Beliefs

Key Protective Factors Specific to COVID-19

- Empowered to do Something About the Crisis
- Connection to Good Social Support
- Providing a Sense of Agency (especially with kids)
- Openness and Compassion Whenever Someone is Ready to Process What has Happened
- Psychological First Aid
- Psycho-education (normalizing what's happening)
- Healthy Modes of Coping (exercise, meditation, talking with a friend, good sleep)
- Shared Experience = Deeper Sense of Empathy