



Alliance Discussion

featuring

Dylan George, PhD

October 27, 2022

Today's Guest



Dylan George, PhD

Director of Operations for the Center for Forecasting and Outbreak Analytics (CFA), U.S. Centers for Disease Control and Prevention



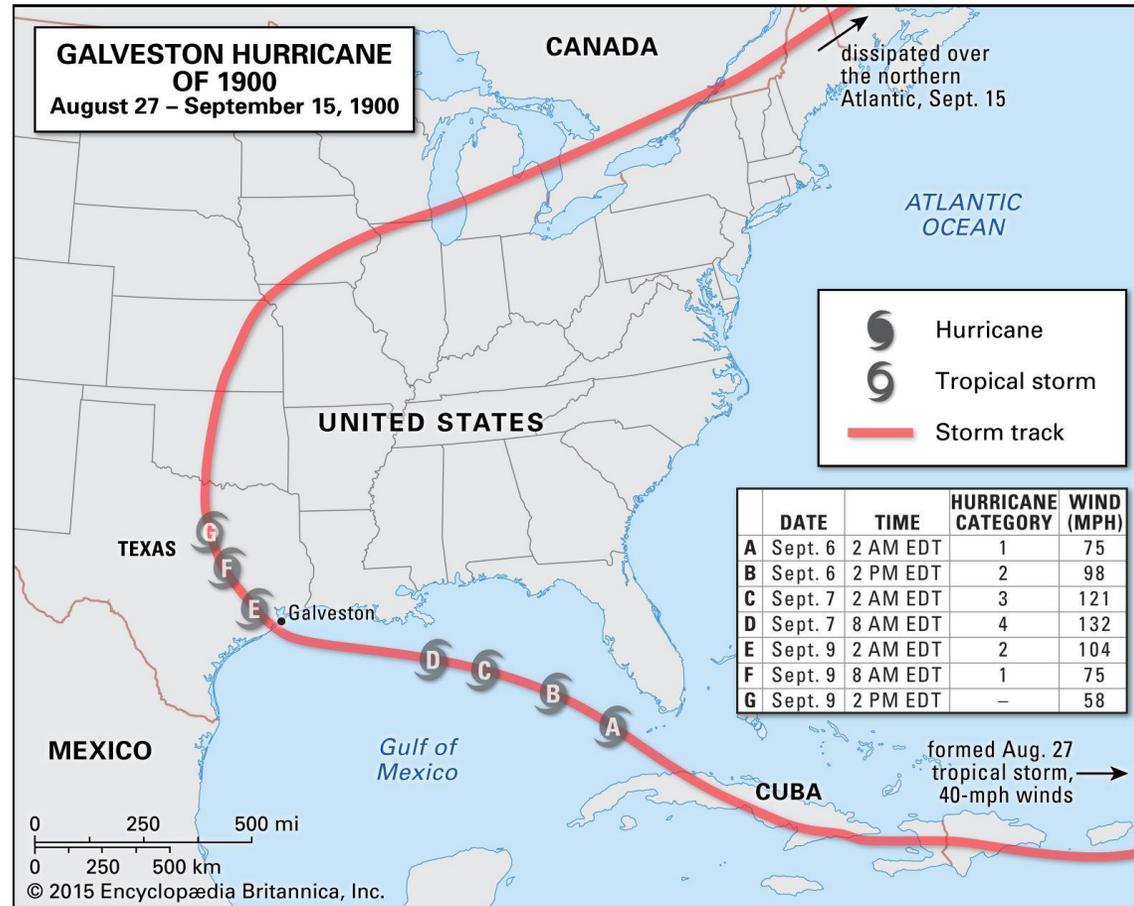
Center for Forecasting & Outbreak Analytics (CFA)

Better Data, Better Analytics, Better Response

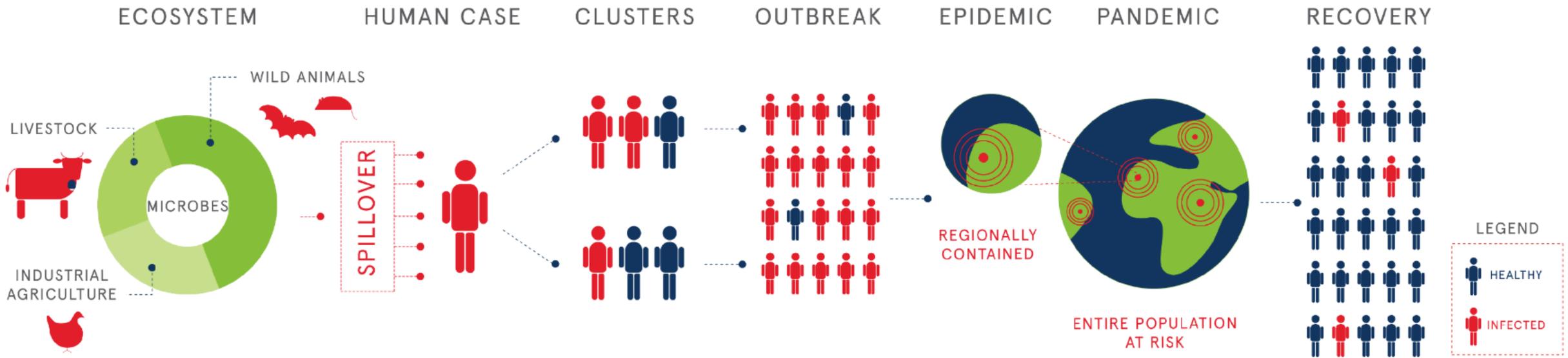


Early Warning Saves Lives

Galveston Hurricane



Analytics Inform Response Efforts Across an Epidemic



Examples of Outbreak Analytics

Prospective Scenario Analyses

Risk Assessment Tools

Parameter Estimations

Vaccine Effectiveness

Pathogen Characterization

Disease Risk Mapping

Burden, Impact Assessments

Therapeutic Effectiveness

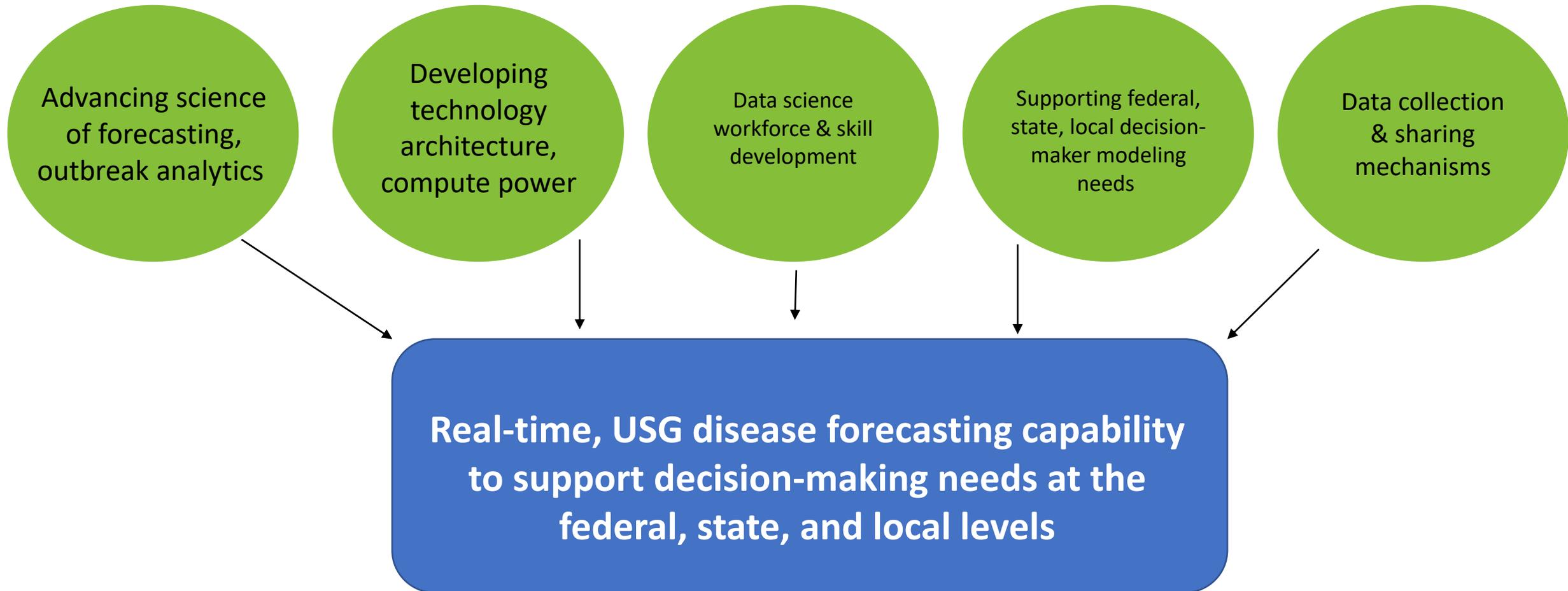
Phylogenetics

Disease Forecasting

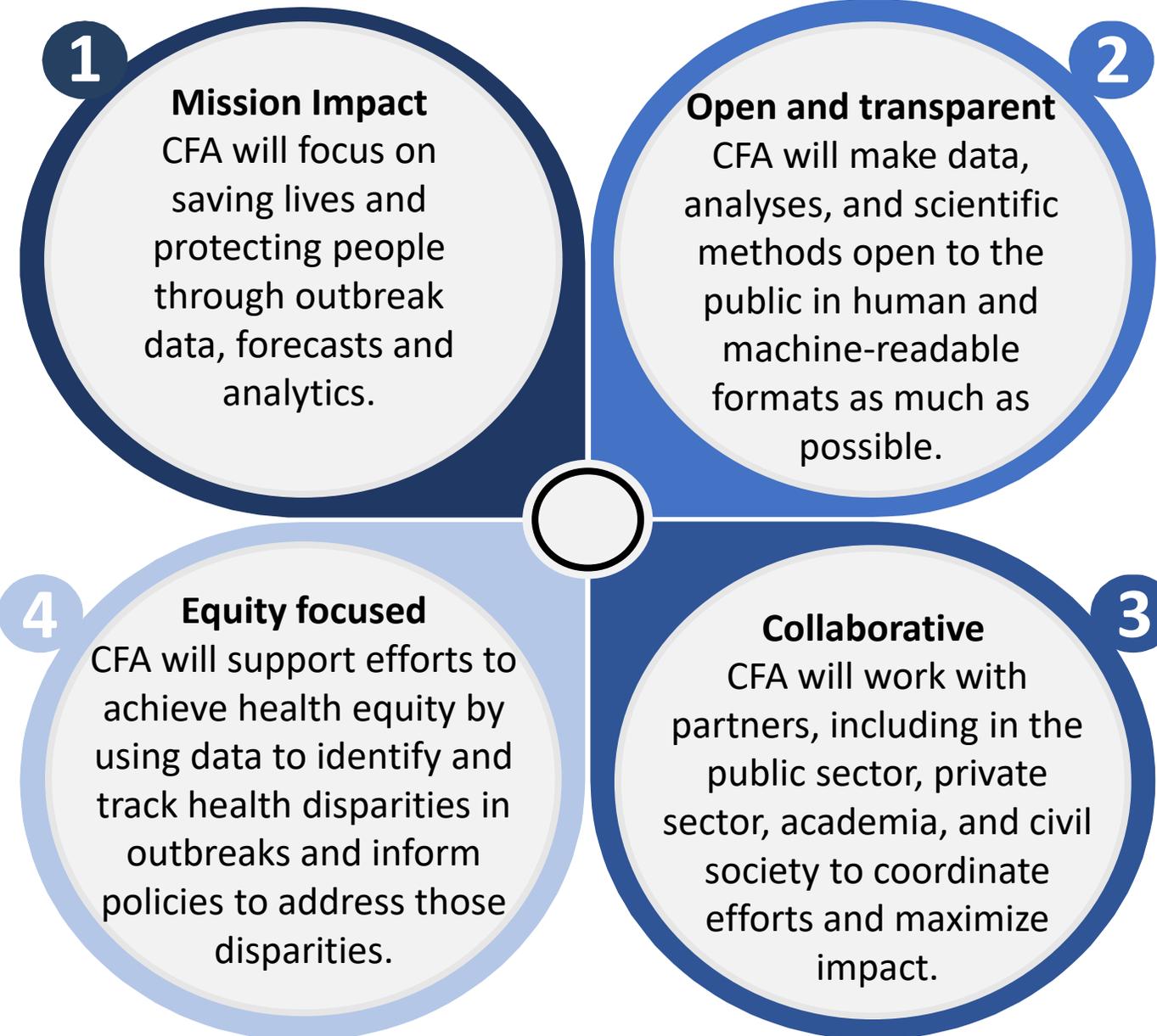
Outbreak Management Scenario Analyses

Partnerships to advance disease forecasting

CFA has awarded more than \$52 million to academic, federal, and private partners to advance:



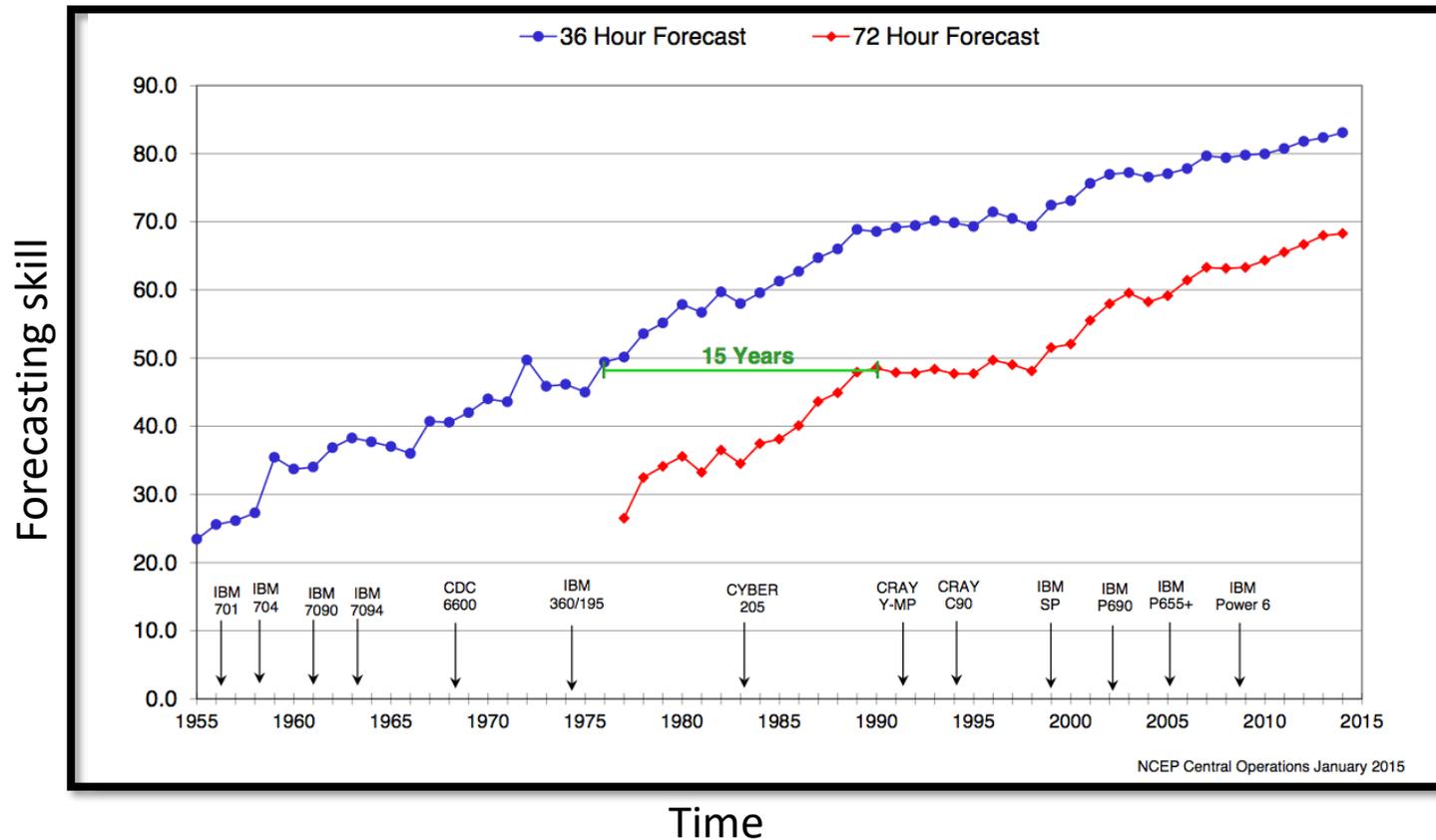
Guiding Principles for CFA Design



Developing Outbreak Analytics & Forecasting Takes Time, Resources

Advancing Weather Forecasting:
took time, data, models, and resources to develop

Increases in numerical weather forecasting skill through time



- Advancing weather forecasting capabilities took decades
- Needed ingredients:
 - Data
 - Models
 - People
 - Computational Power
 - Specific Use Cases
 - Sustained Funding
- Diseases forecasting, analytics still in early stages



Questions?

Learn more: cdc.gov/cfa

Get in touch: cfa@cdc.gov



Join us next time!

Wednesday, November 2, at 1:30 p.m. ET



Adam Felsenfeld, PhD

Program Director for the Division
of Genome Sciences,
NHGRI