



PLANNING FOR CHANGE
2020 *virtual* seminar

MEDICINE MUST GO ON

STEVE MILLER, MD
CHIEF CLINICAL OFFICER, CIGNA



A woman with dark hair, wearing a blue denim shirt, stands in a modern office or conference room. She is holding a white disposable coffee cup in her left hand and pointing her right index finger towards a large digital screen. The screen displays an agenda for a presentation. The background is slightly blurred, showing office furniture and warm lighting.

Agenda

- **COVID-19**
 - Therapeutics
 - Vaccines
 - Testing
- **Medical innovation**
- **Q&A**

THE SPANISH FLU: 1918-19

- Spread by soldiers after WWI
- Infected 1/3 of world's population
- 50 million died, including 675,000 in the United States
- No vaccine available



EARLY RESPONSE WAS LOCAL AND INCONSISTENT

Philadelphia

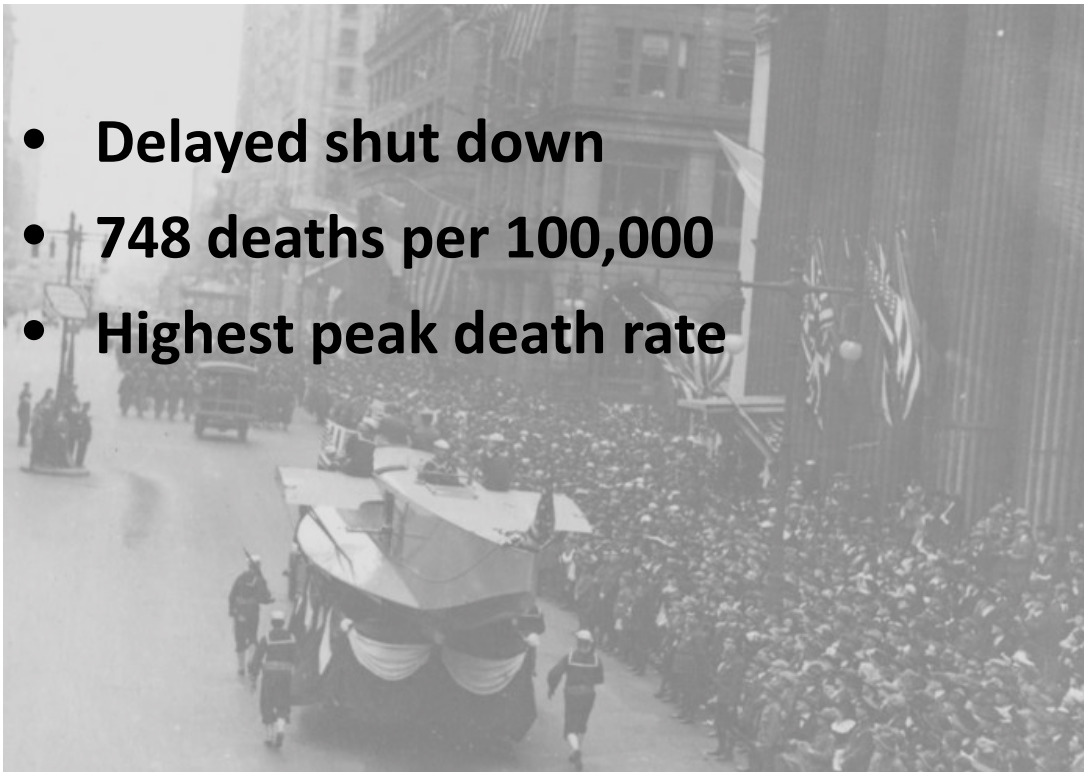


St. Louis

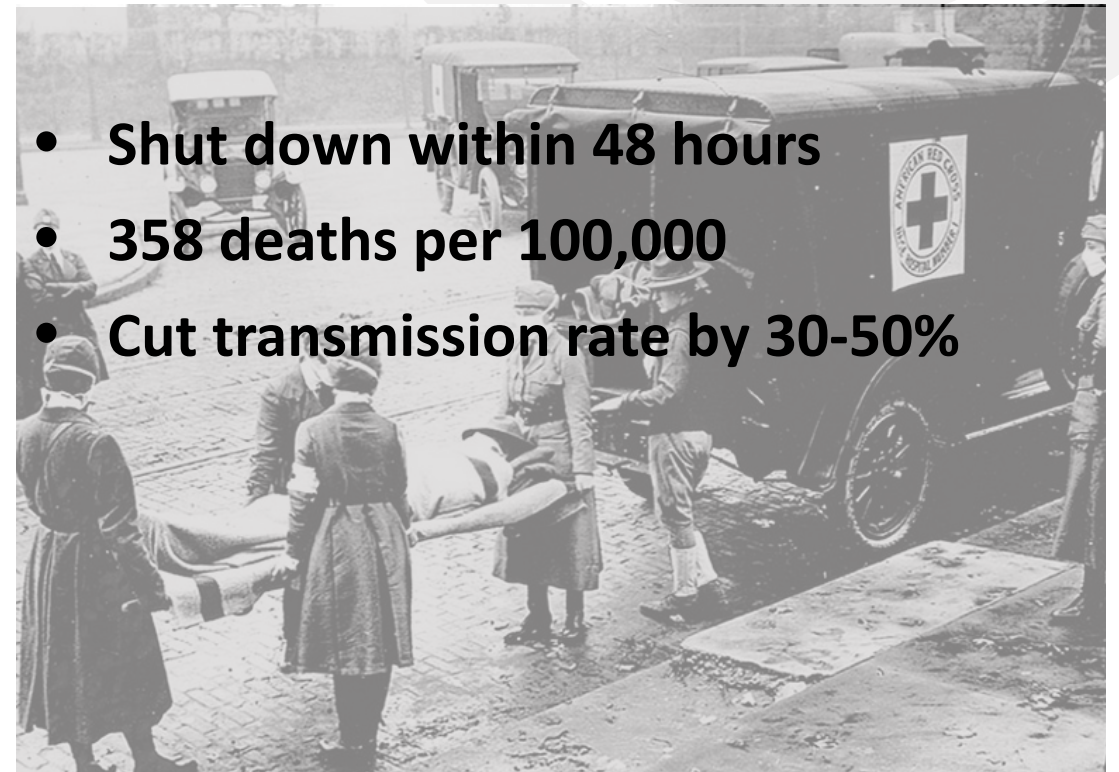


DIFFERENT APPROACHES, DIFFERENT RESULTS

Philadelphia



St. Louis



WHAT DID WE LEARN?

- Value of social distancing and wearing masks
- Need for consistent public health practices
- Value of innovation (convalescent plasma)
- Pandemics come in waves



Emerging therapeutics



Vaccine development

A female scientist with curly hair, wearing safety glasses, a white lab coat over a blue shirt, and blue gloves, is focused on a white tablet. She is in a laboratory setting with a large window in the background. To her left, a microscope is visible on a lab bench. In the foreground, there are various lab supplies including a yellow container, a rack of test tubes, and a white bottle.

Importance of testing



What we can do



MEDICAL INNOVATION

Increasing pace and impact bodes well for the future



An accurate Alzheimer's test



A promising Alzheimer's treatment



ADUCANUMAB SHOWS PLAQUE-FIGHTING POWER

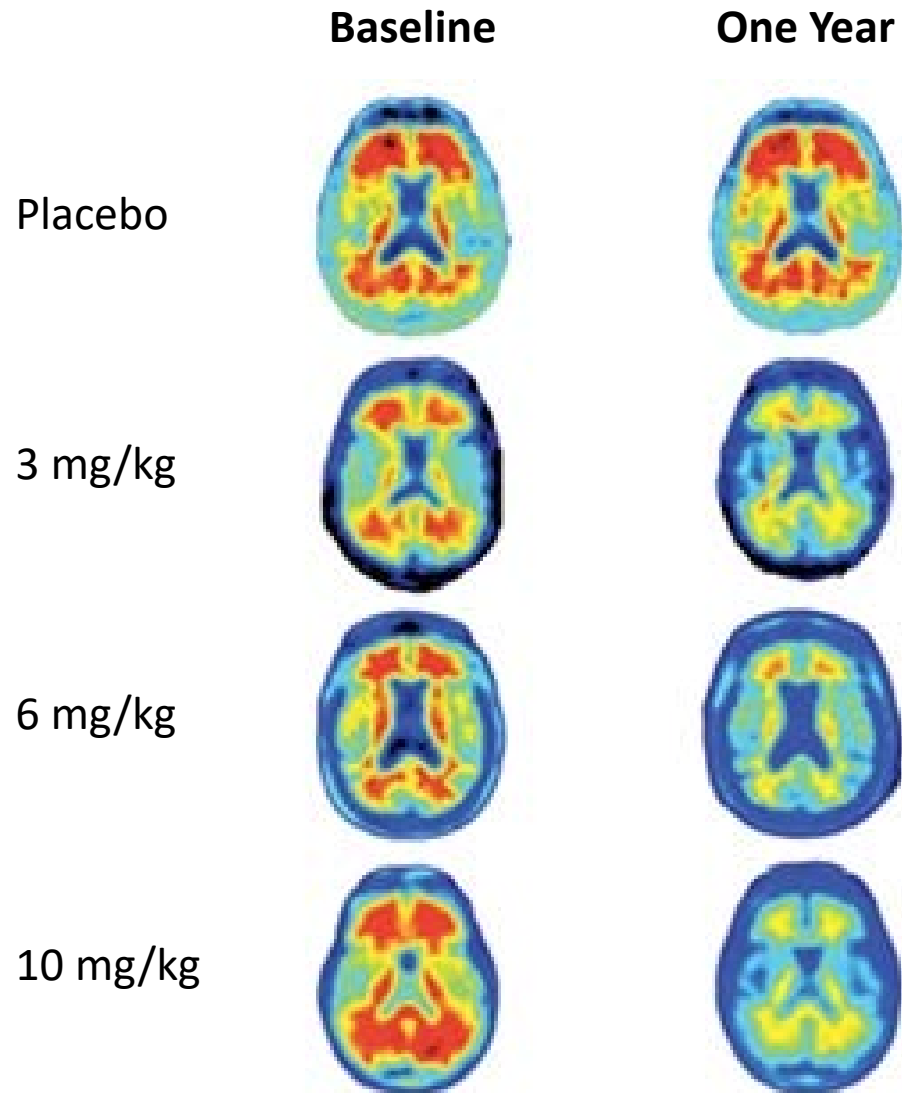


Image courtesy of Sevigny et al., Nature 2016

TAKEAWAYS

- These are incredibly challenging times
- Out of challenges emerge great innovations
- Remember: The basics matter



SLF **PLANNING FOR CHANGE**
2020 *virtual* seminar

THANK YOU!



[HTTP://WWW.CIGNA.COM/](http://www.cigna.com/)

[HTTP://WWW.EXPRESS-SCRIPTS.COM](http://www.express-scripts.com)