

# Clinical Question

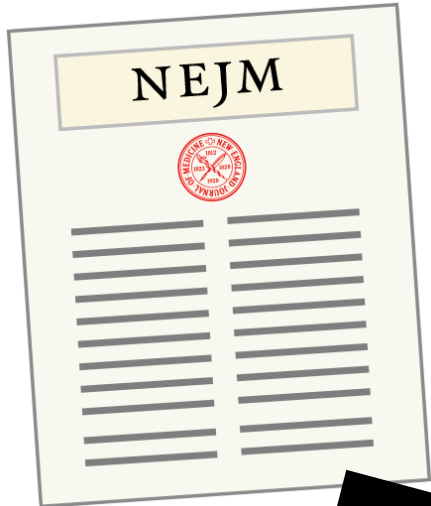
# Participants



# Randomization



# Clean Data



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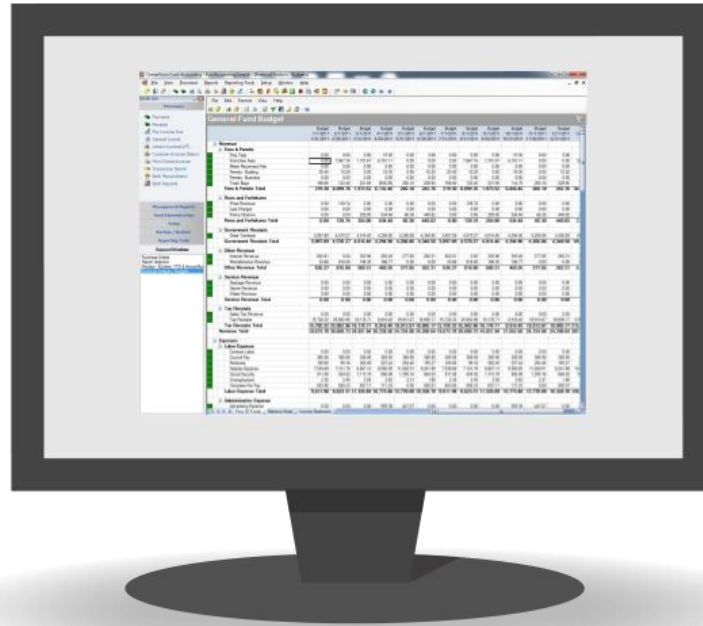


# Data Analysis

Patients



Trialists



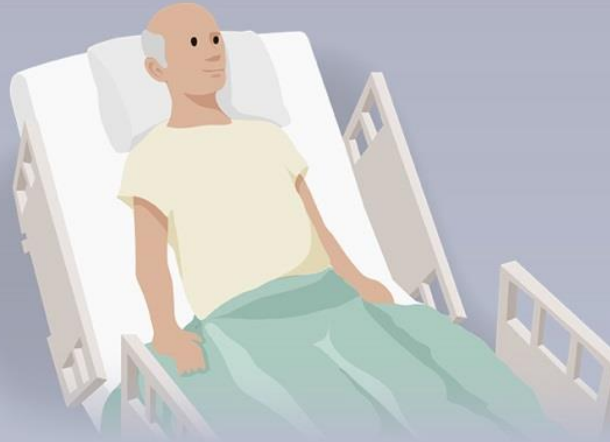
Clean Data



Data Scientists



**Trialist Concerns**  
Major Trial Questions  
Time Investment  
Rewards



**Patient Concerns**  
Privacy  
Want Data to be Widely  
but  
Responsibly Used



**Data Scientists Concerns**  
Transparency  
Data Not Public  
New Ideas

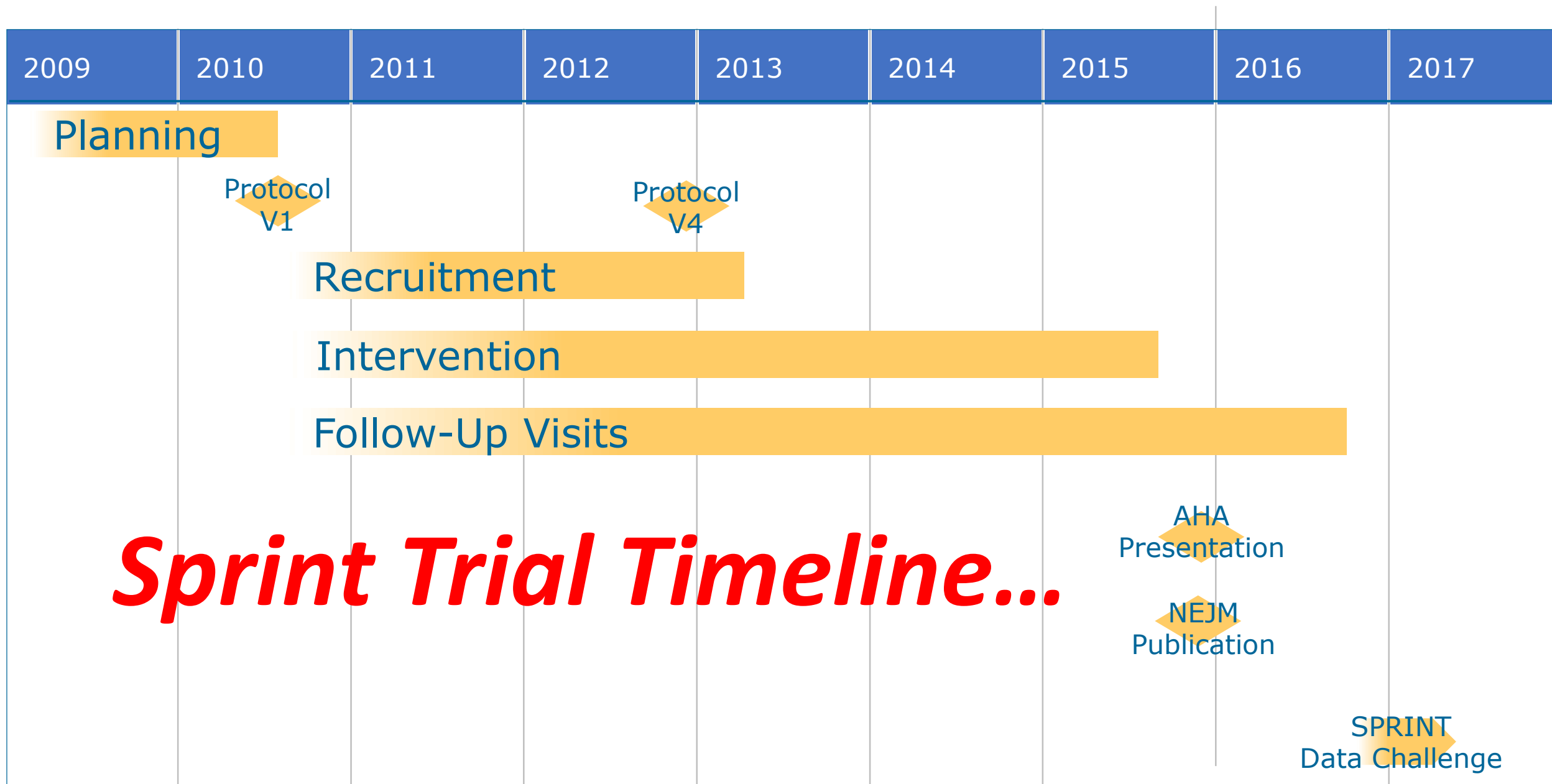
**Advancing  
Human  
Health**





# SPRINT

**Systolic Blood Pressure Intervention Trial**



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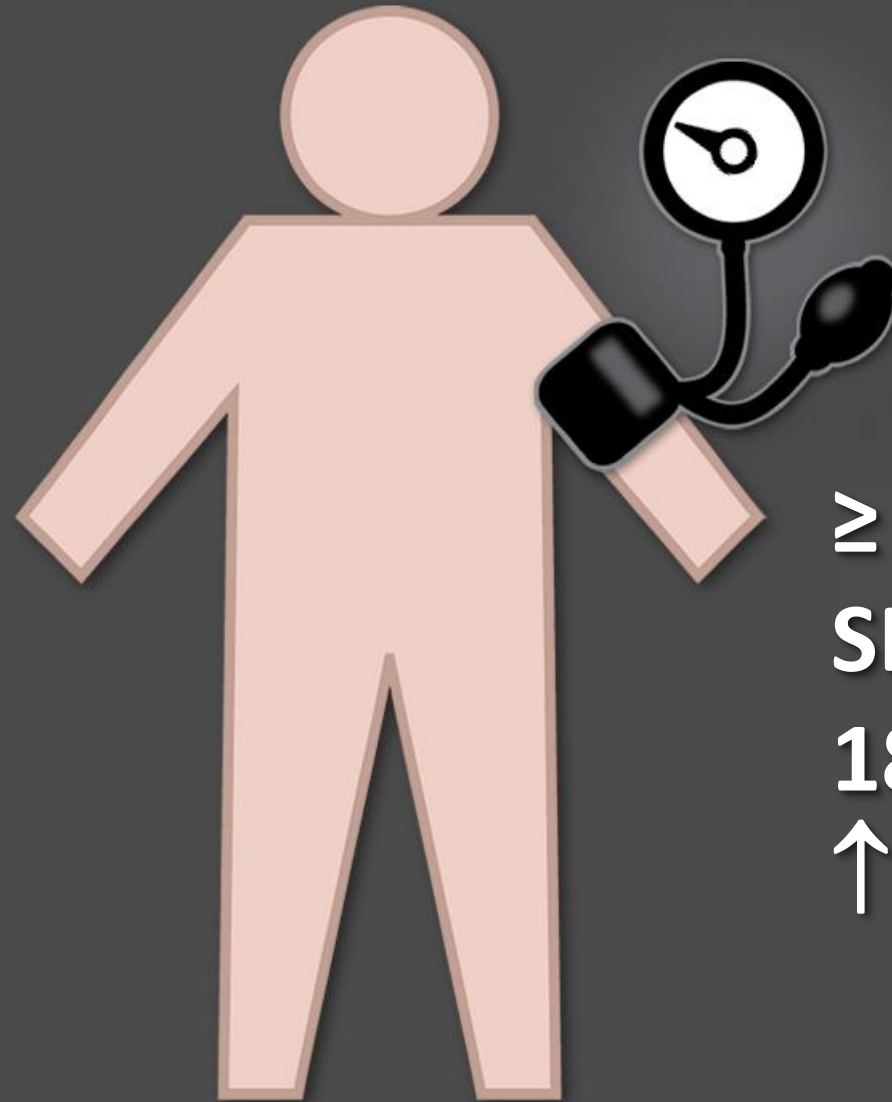
## A Randomized Trial of Intensive versus Standard Blood-Pressure Control

The SPRINT Research Group\*

**<120 mm Hg**



**<140 mm Hg**

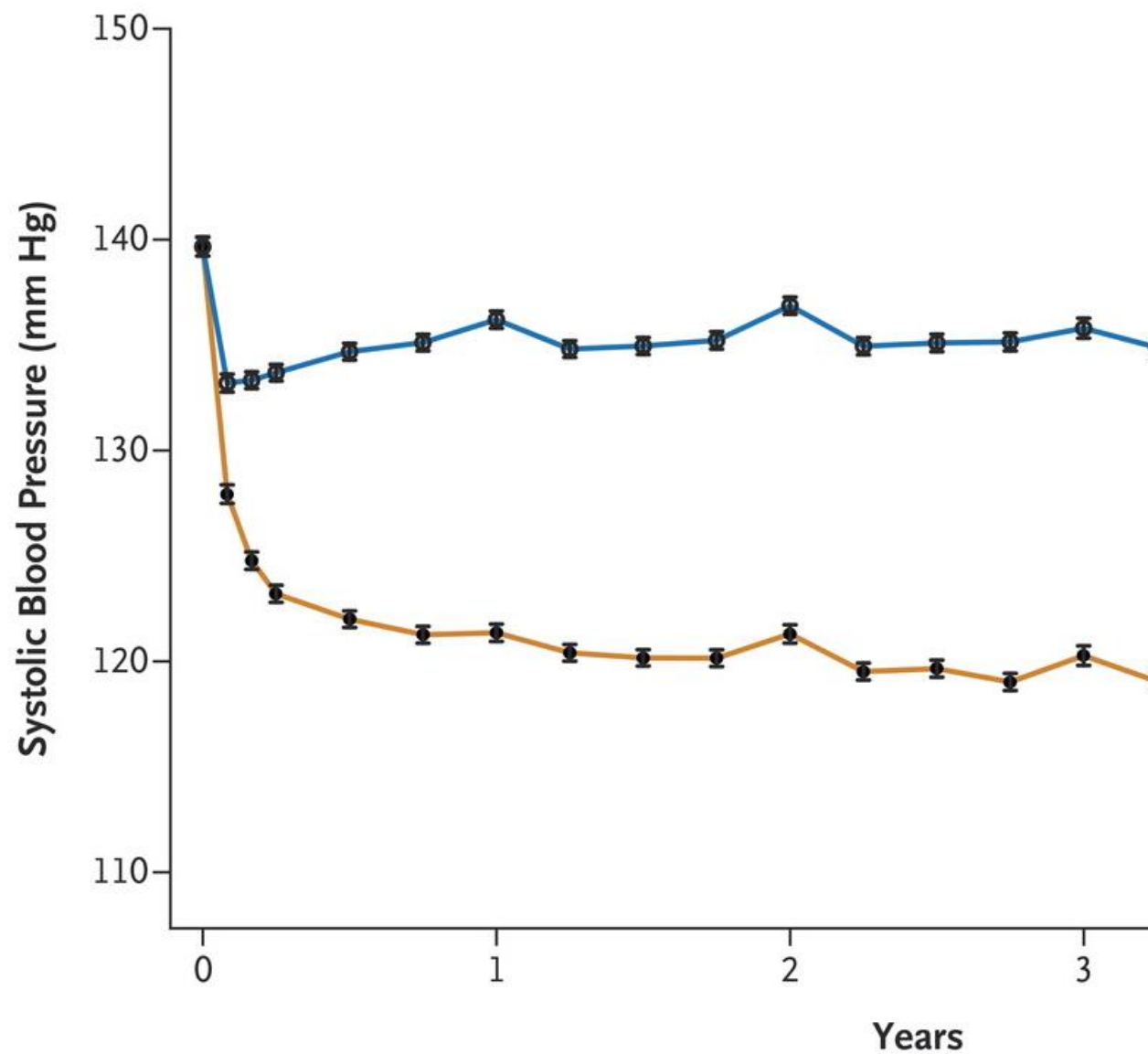


**≥ 50 years**  
**SBP 130-**  
**180 mmHg**  
**↑ CV Risk**

**<120 mm Hg  
(Intensive)**

**<140 mm Hg  
(Standard)**

**9361 patients**



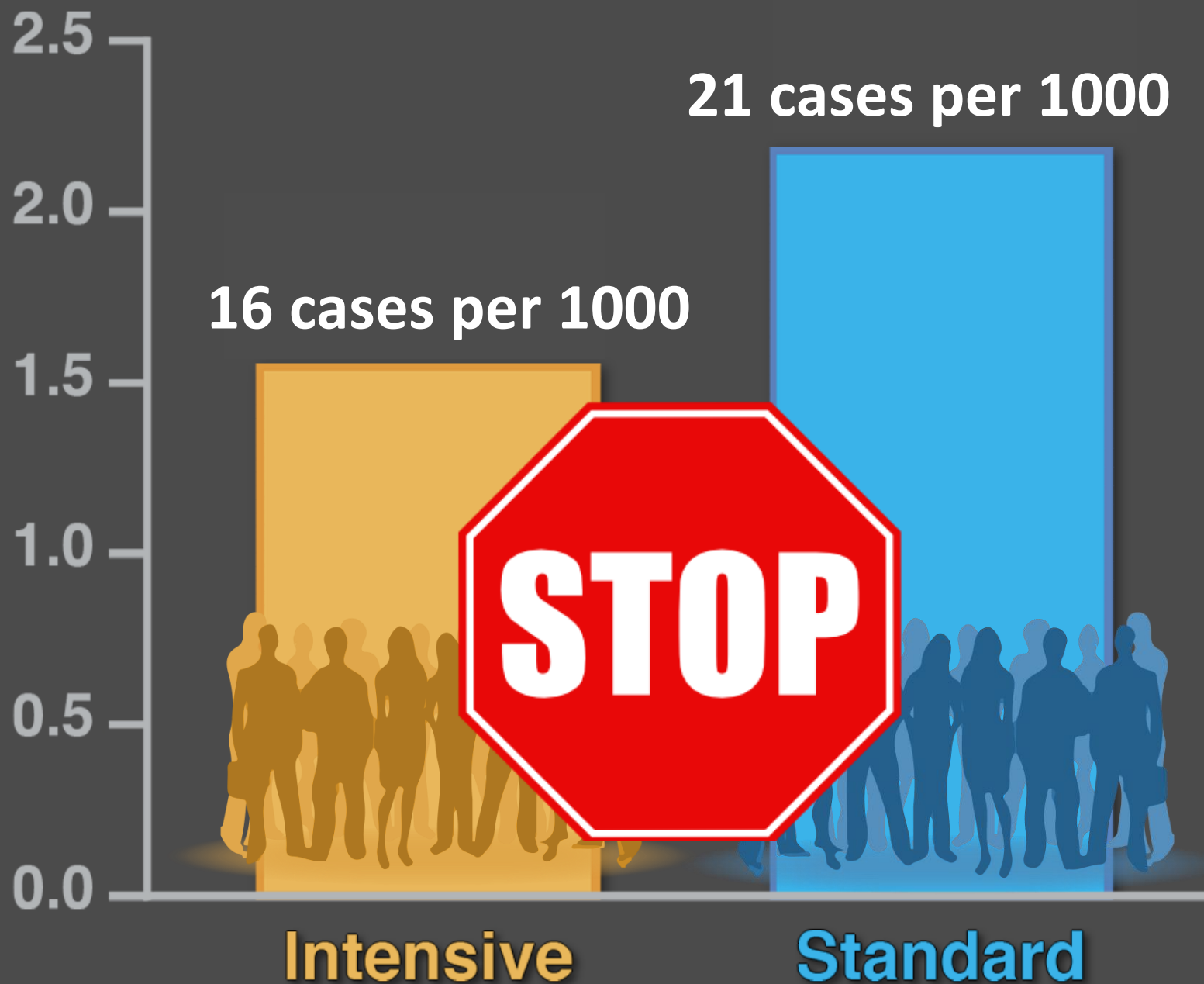
**<140 mm Hg  
(Standard)**  
**134.6 mm Hg**

**1.8 Medications**

**<120 mm Hg  
(Intensive)**  
**121.5 mm Hg**

**2.8 Medications**

Composite Cardiovascular  
Events (% per yr)



Based on data available as of 11/6/2015

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# Don't Delay News of Medical Breakthroughs

By ERIC J. TOPOL and HARLAN M. KRUMHOLZ    SEPT. 17, 2015

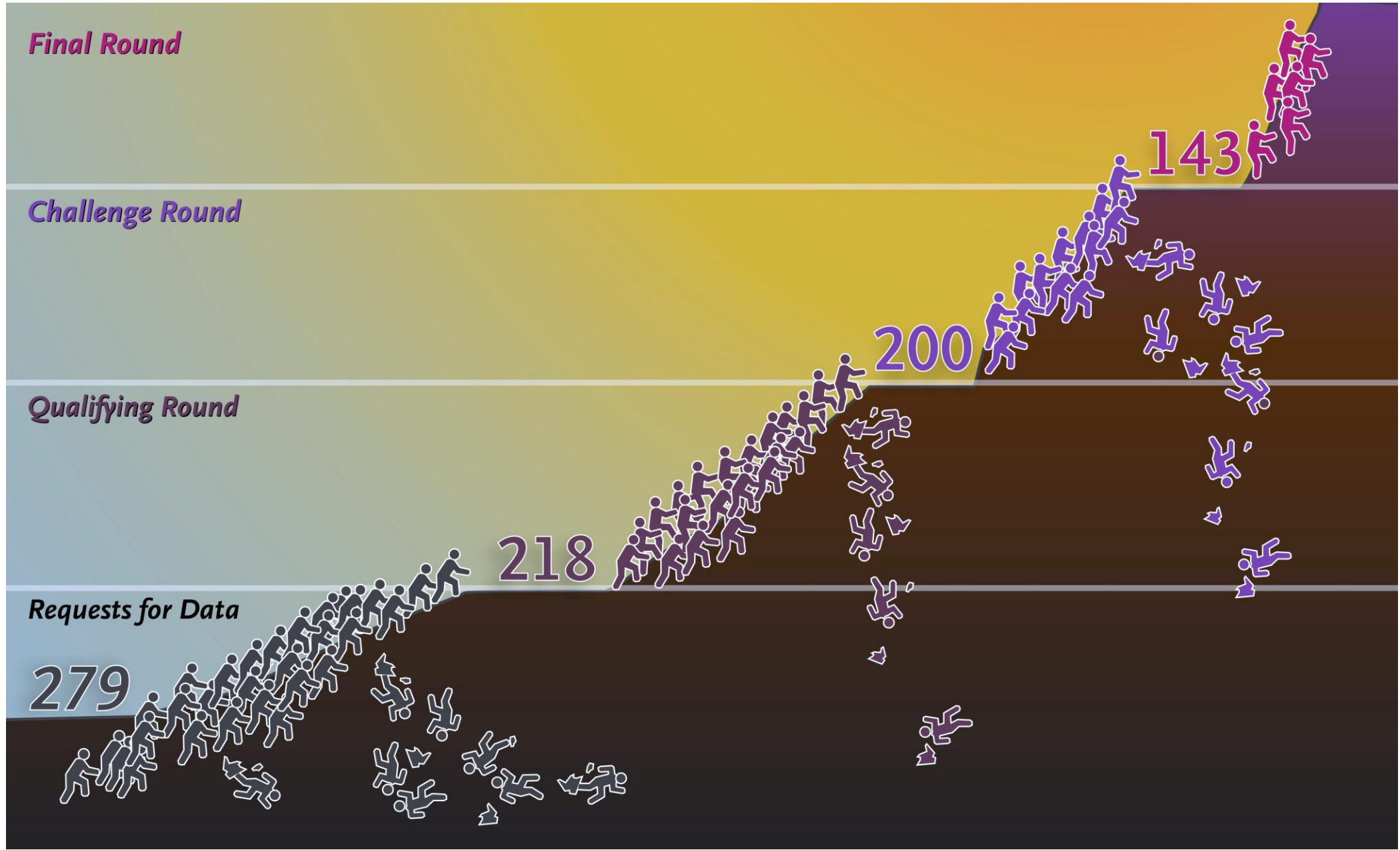


A word cloud on a yellow background, featuring various numbers in different sizes and colors (black, red, and yellow). The numbers are scattered across the entire background, with some appearing more frequently than others. The main text 'THE CHALLENGE IS ON.' is prominently displayed in the center in large, bold, black letters. Below it, 'NO PRESSURE.' is written in smaller, bold, black letters. At the bottom, 'SPRINT Data Analysis Challenge' and 'CALL FOR ENTRIES' are written in red, bold letters.

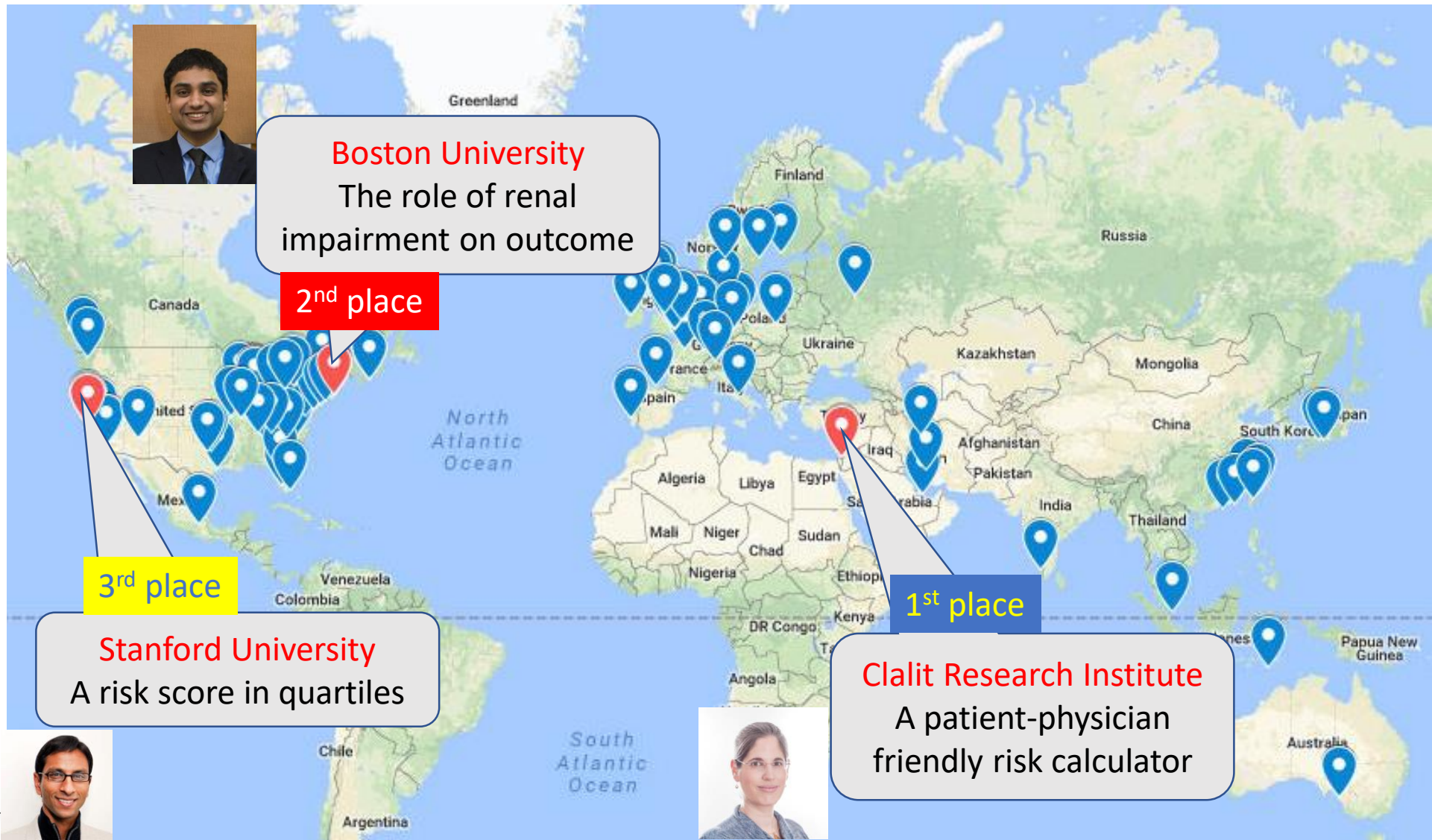
# THE CHALLENGE IS ON.

**NO PRESSURE.**

**SPRINT Data Analysis Challenge**  
**CALL FOR ENTRIES**



# Challenge Entries and Winners



## A Randomized Trial of Intensive versus Standard Blood-Pressure Control

The SPRINT Research Group\*

