WHAT IS SEPSIS?
Sepsis is a dysregulated host response to infection.

HOW IS SEPSIS TRIGGERED?
Infection can trigger an immune (host) response.

DYSREGULATION GOES BADLY
Sepsis is a dysregulated immune response to any acute infection.

WANTED: A BETTER TOOL
Physicians are eager for a better sepsis diagnostic.

ISSUES WITH TODAY’S TOOLS
Current sepsis diagnostic tests are not very accurate.

SEPSIS COSTS THE MOST
At $27B per year, sepsis is the most expensive diagnosis in the US healthcare system.

WHAT’S THE PROGNOSIS?
For patients with bacterial sepsis, each hour delay of administering antibiotics increases the relative risk of mortality by ~7%.

SEPSIS DEATHS ANNUALLY
> 250,000 (and > 5M worldwide)

SEPSIS ACCOUNTS FOR NEARLY HALF OF IN-HOSPITAL DEATHS
Sepsis accounts for nearly half of all hospital deaths, and is the #1 cause of death from hospital-acquired conditions.

HIGHEST HOSPITAL MORTALITY
Many physicians in the US believe that diagnosing sepsis is improved by the Sepsis-3 definitions.

ACTIONABLE RESULTS
Physicians will incorporate HostDx Sepsis results into treatment decisions.

REFERENCES
1. Colburn, et al. Does This Adult Patient With Suspected Bacteremia Require Blood Cultures?.
8. Kumar A, et al., Duration of hypotension before initiation of effective antimicrobial therapy is the critical determinant of survival in human septic shock.