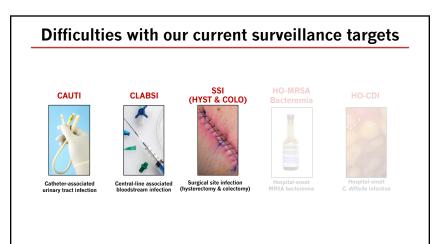
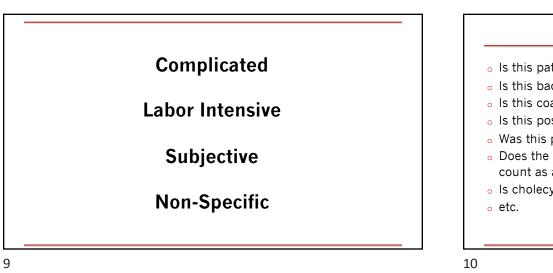
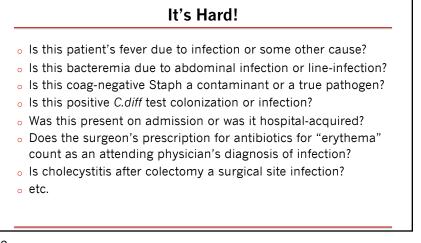


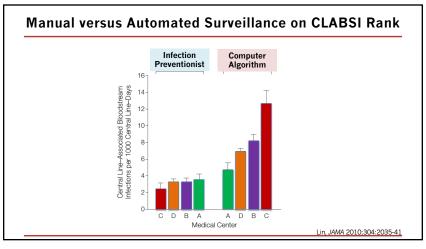


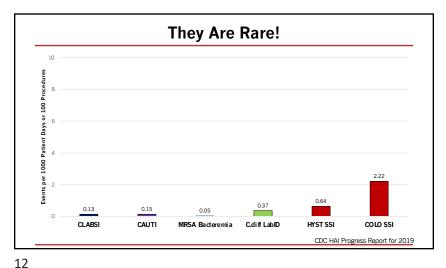
- Are we capturing the right events (completeness, morbidity)?
- Are we conducting surveillance in an efficient and objective fashion?
- Is our approach commensurate with current data sources and documentation practices (i.e. EHRs)?

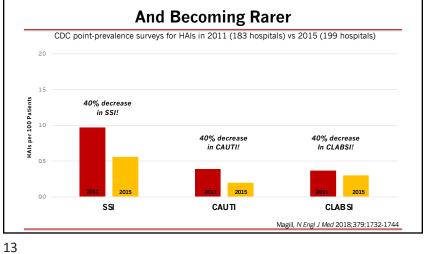


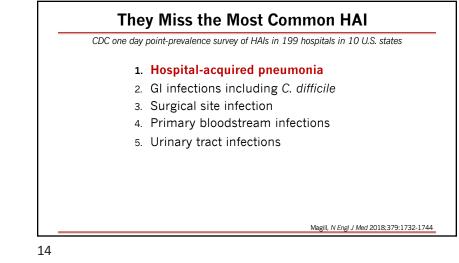


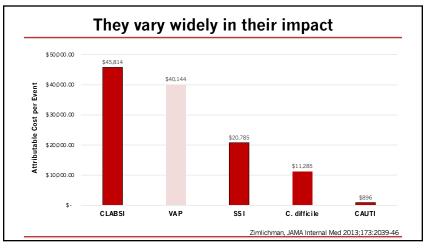


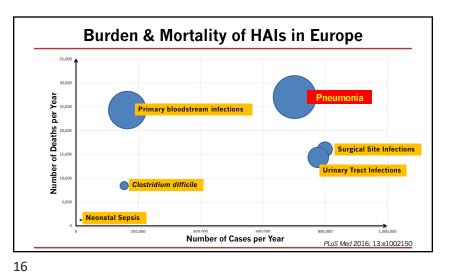


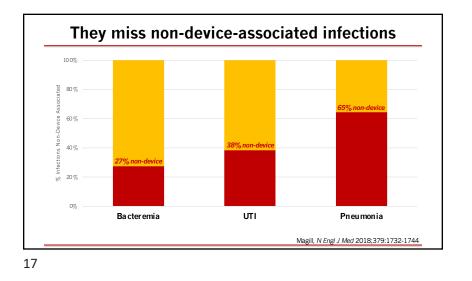








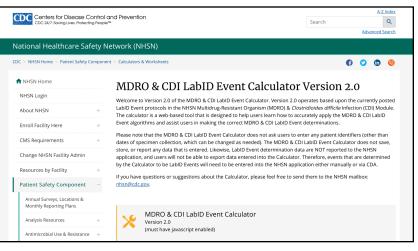








the completeness, timeliness, and significance of surveillance

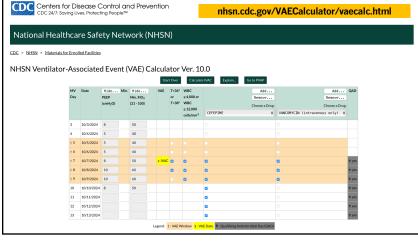




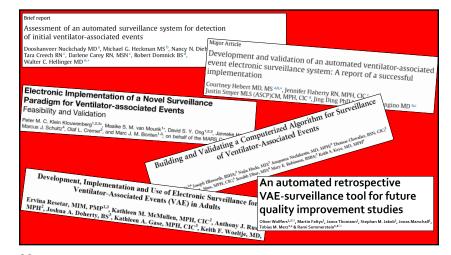
Developing a New, National Approach to Surveillance for Ventilator-Associated Events*

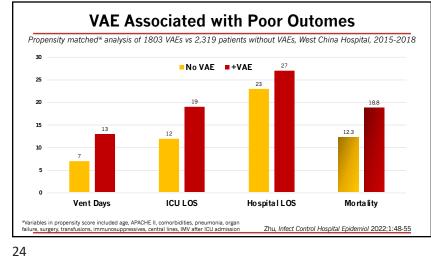
Shelley S. Magill, MD, PhD¹; Michael Klompas, MD, MPH^{23,4}; Robert Balk, MD^{5,6};
Suzanne M. Burns, RN, ACNP, MSN, RRT^{6,7}; Clifford S. Deutschman, MS, MD^{6,8};
Daniel Diekema, MD^{9,10}; Scott Fridkin, MD¹; Linda Greene, RN, MPS^{11,12};
Alice Guh, MD, MPH¹; David Gutterman, MD^{6,13}; Beth Hammer, RN, MSN, ANP-BC^{6,14};
David Henderson, MD¹⁵; Dean Hess, PhD, RRT^{16,17,18}; Nicholas S. Hill, MD^{6,19};
Teresa Horan, MPH¹; Marin Kollef, MD^{6,20}; Mitchell Levy, MD^{6,21}; Edward Septimus, MD^{22,23};
Carole VanAntwerpen, RN, BSN^{24,25}; Don Wright, MD, MPH²⁶; Pamela Lipsett, MD, MHPE^{6,27}

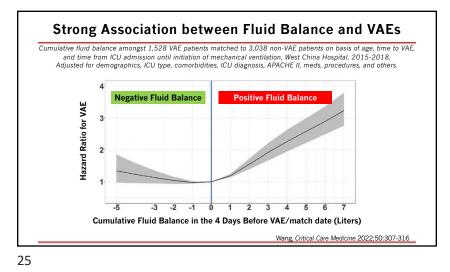
Critical Care Medicine 2013;41:2467-2475

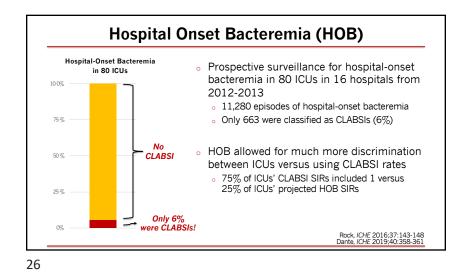


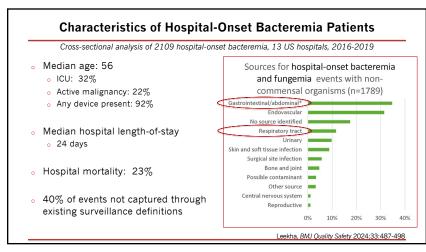


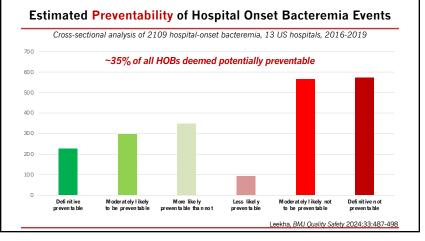




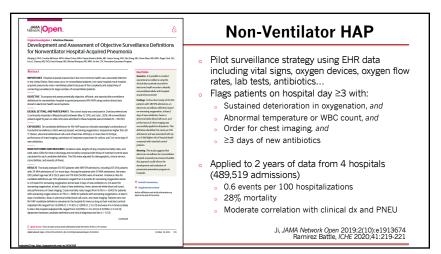


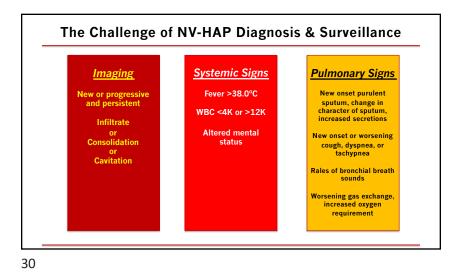




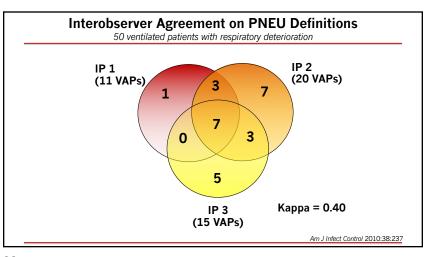


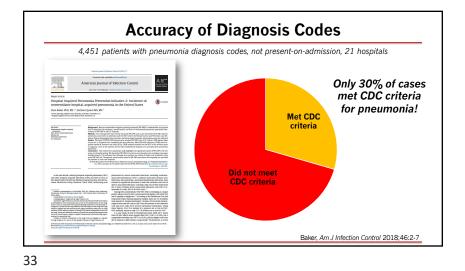


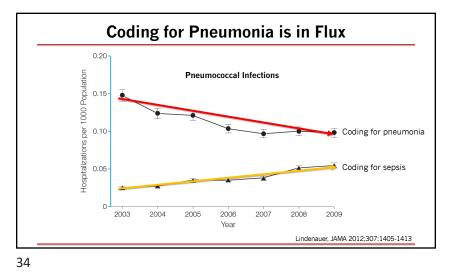




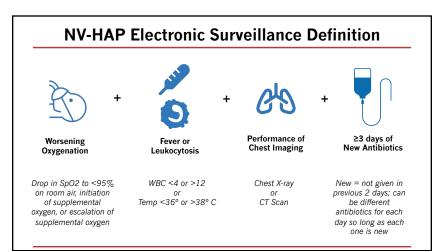


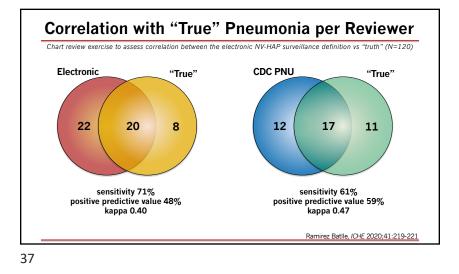


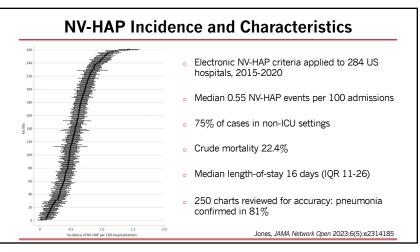


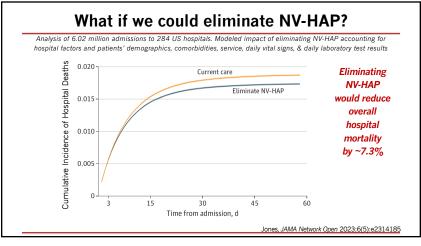


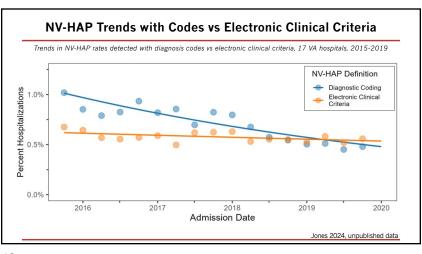


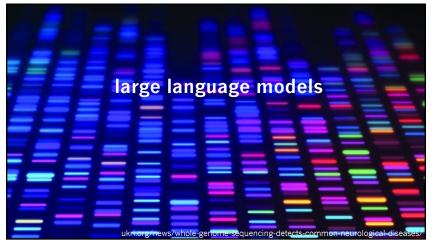


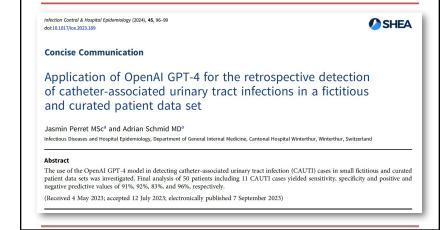


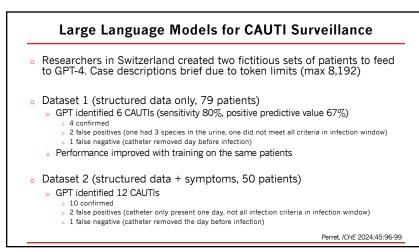


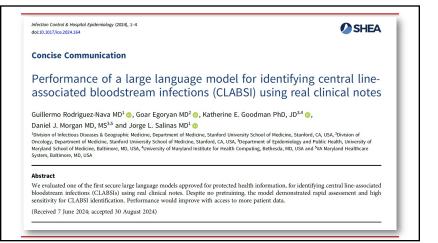


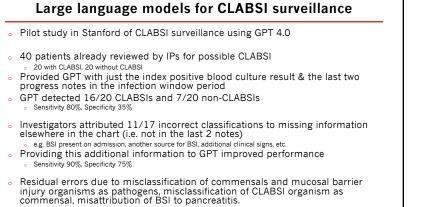




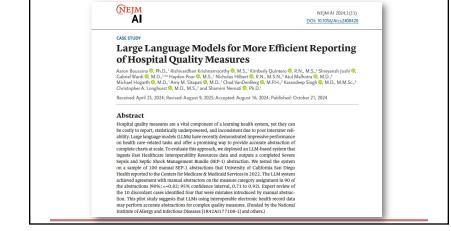




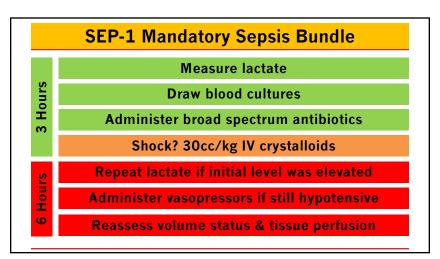


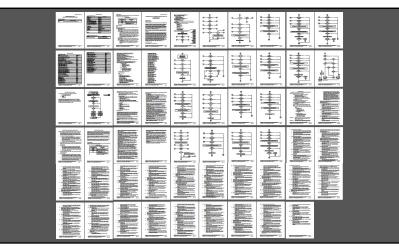


Rodriguez-Nava, ICHE 2024;ePub; 10.1017/ice.2024.164

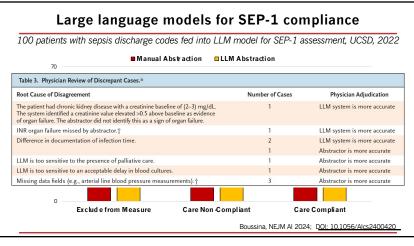


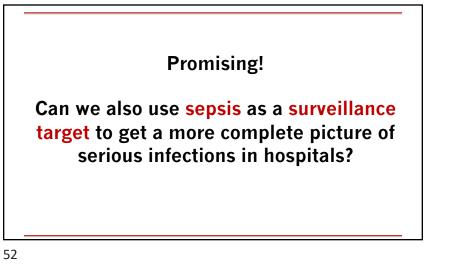


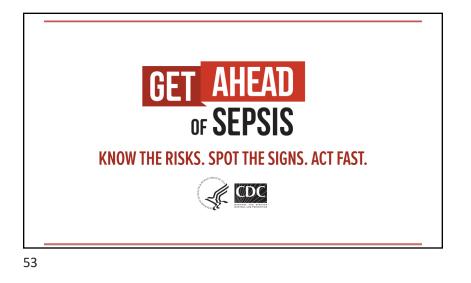


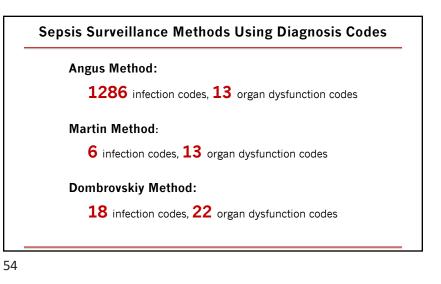


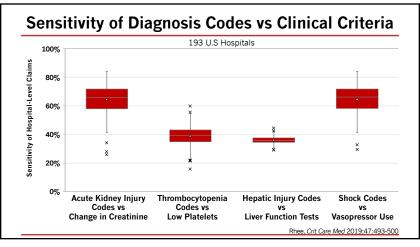
Large language models for SEP-1 compliance		
100 patients with sepsis discharge codes fed into	LLM model for SEP-1 as. No. (%) of Abstractions Where System Answer Resulted in Agreement with Manual Category Assignment [*]	sessment, UCSD, 2022
Was the patient received as a transfer from an inpatient, outpatient, or emergency/observation department of an outside hospital or from an ambulatory surgery center?‡	99/100 (99)	
During this hospital stay, was the patient enrolled in a clinical trial in which patients with the same condition as the measure set were being studied?;	100/100 (100)	
Is there documentation the patient is at least 20 weeks pregnant or within 3 days after delivery at the time severe sepsis is identified? ²	100/100 (100)	
Was severe sepsis present?‡	98/100 (98)	
When was the last criterion met to establish the presence of severe sepsis?‡	97/100 (97)	
Is there documentation that the patient or authorized patient advocate refused either a blood draw, IV fluid administration, or IV antibiotic administration within the specified time frame?‡	100/100 (100)	63 questions in all
	Boussina, NEJM AI 2024	; DOI: 10.1056/Alcs2400420

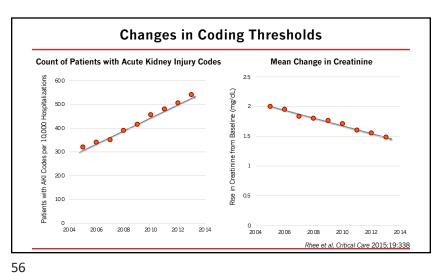


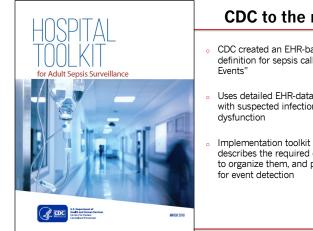












CDC to the rescue!

- CDC created an EHR-based surveillance definition for sepsis called "Adult Sepsis
 - Uses detailed EHR-data to identify patients with suspected infection + organ
 - Implementation toolkit available that describes the required data elements, how to organize them, and provides analytic code

cdc.gov/sepsis/clinicaltools

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