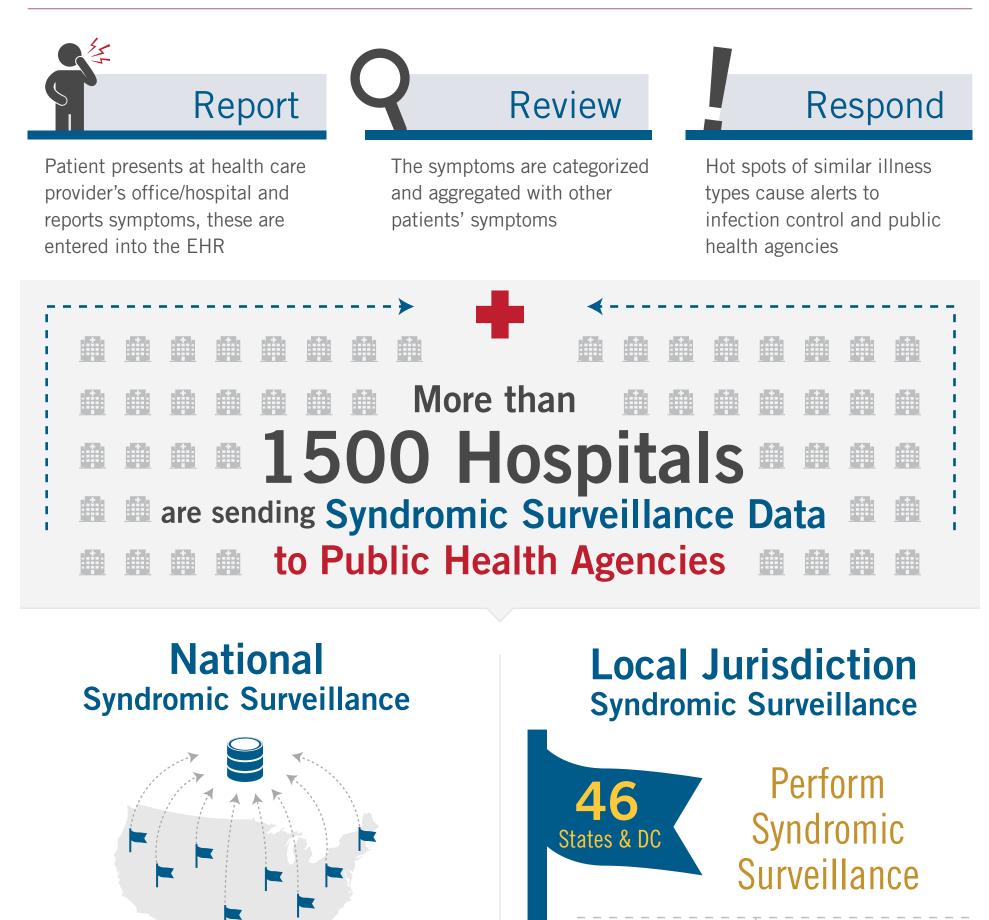


Public Health Surveillance

Syndromic Surveillance and Electronic Health Reporting are two programs that rely on a robust health IT system.

Early Detection: Syndromic Surveillance



Data from at least 36 States and the District of Columbia are sent to a national syndromic surveillance repository					20 use only the national repository system (BioSense)	
Proportion of ED Visits Represented in this National Surveillance System						
Number of States	14	10	8	10	9	
% of ED visits	Not Sending	1-25%	26-50%	51-75%	76-100%	

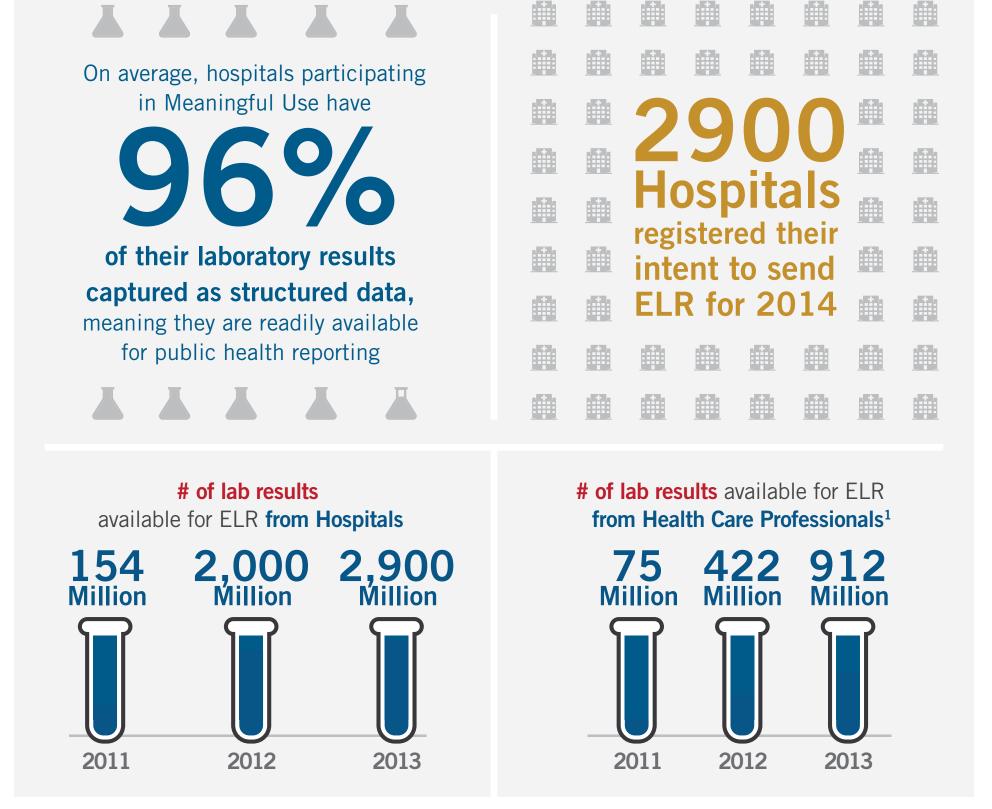
Real-time Reporting: Electronic Laboratory Reporting





Fast and complete reporting to public health agencies helps expedite investigation, which can translate into **more people receiving appropriate preventive treatment, and fewer people exposed**

Health Care Providers' Capability to Capture Laboratory Results Electronically



Local Jurisdiction ELR Capacity





51% of hospitals are sending

data electronically to PHA



ELR improves timeliness and completeness of reporting to public health,

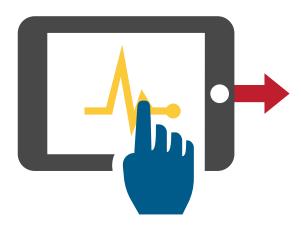
making surveillance and public health mitigation strategies more efficient

ELR is faster: 5 days faster follow-up than non-ELR reported cases²



ELR identifies more cases: 4.4 times more than traditional reporting³

Future State: Electronic Case Reporting



EHR data

will populate standard public health surveillance case reporting forms Those data will be sent electronically **to public health agencies**

This enhanced electronic information exchange with public health agencies may make case follow-up and management **even faster and more complete**



Sources

- Based on CMS EHR Incentive Program data through August, 2014. "Health care professionals" includes Medicare eligible professionals.
- **2.** Samoff E, Fangman MT, Fleischauer AT, Waller AE, Macdonald PD. Improvements in timeliness resulting from implementation of electronic laboratory reporting and an electronic disease surveillance system. Public Health Reports. 9/13; 128(5): 393-8.
- **3.** Overhage JM, Grannis S, McDonald CJ. A comparison of the completeness and timeliness of automated electronic laboratory reporting and spontaneous reporting of notifiable conditions. AJPH, 2/2008, vol. 98: 344-350.

Acronyms

- PHA: Public Health Agency
- EHR: Electronic Health Record
- ED: Emergency Department
- ELR: Electronic Laboratory Reporting