

HIMSS Analytics®

2016 Essentials Brief Precision Medicine Study



August 2016

HEALTHCARE'S MOST COMPREHENSIVE MARKET INTELLIGENCE RESOURCES & ADVISORY SOLUTIONS



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Vendors Mentioned in this Study

ORACLE®



syapse



vibrent



Study Methodology & Demographics

Methodological Approach 1: Web based survey

Dates of Data Collection: August 11, 2016 to August 22, 2016

Target Audience(s): Titles

Number of Respondents: 137

Respondents by Organization Type	
Academic Medical Center (AMC)	13.1%
Integrated Delivery Network (IDN)	9.5%
Multi-Hospital Health System	35.8%
Stand-alone Hospital	29.2%
Specialty Hospital	4.4%
Other	8.0%

Respondents by Bed Size	
Less than 50 beds	18.9%
50 to 100 beds	5.8%
101 to 250 beds	18.9%
251 to 500 beds	31.3%
Greater than 501 beds	30.6%
Other	4.3%

Methodological Approach 2: HIMSS Analytics® LOGIC™

Date of Database: July 31, 2016

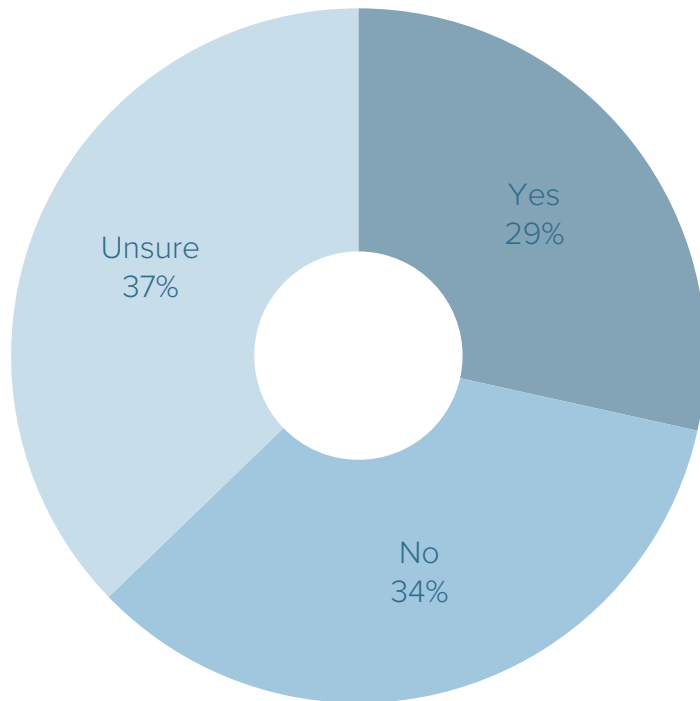
Target Audience(s): U.S. Hospitals

Number of Hospitals: 5,463

Early precision medicine efforts at larger organizations

Is your organization currently conducting precision medicine to provide disease treatment and prevention to patients?

Precision medicine was defined as an approach for disease treatment and prevention that takes into account individual variability in genes, environment and lifestyle for each person

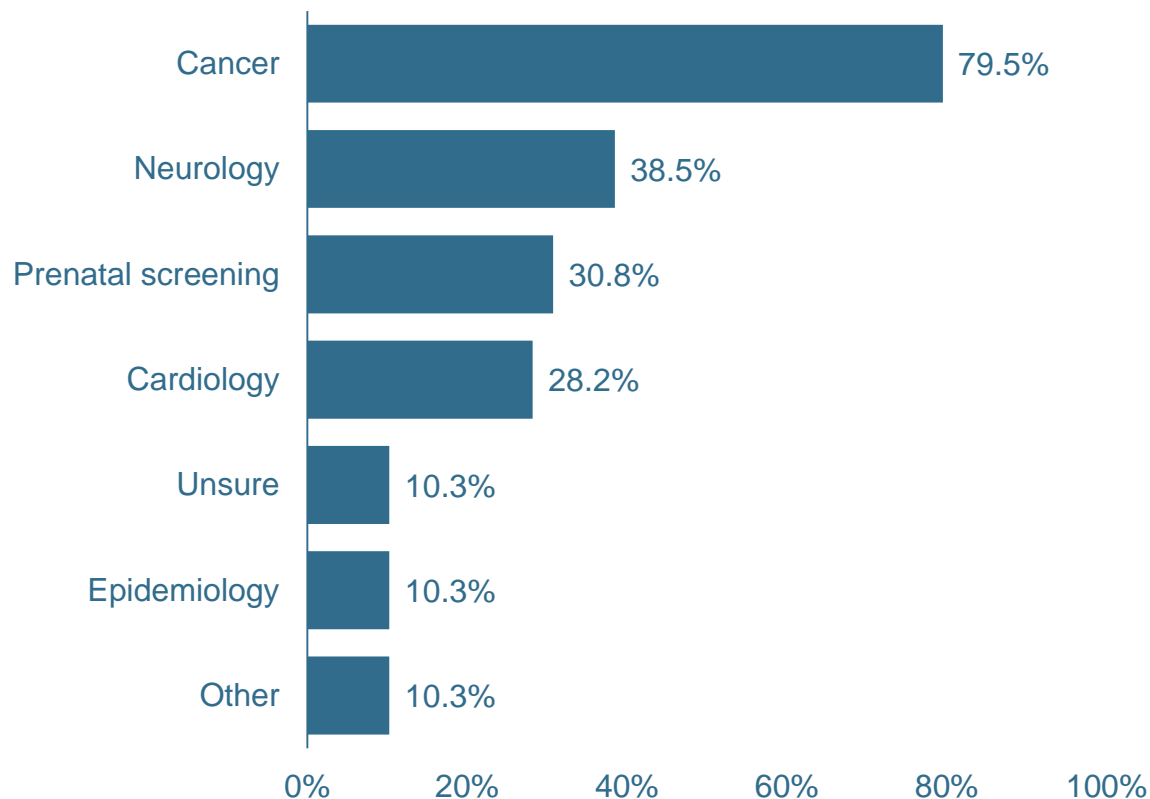


- Roughly 29 percent of respondents indicated they conduct precision medicine within their organizations. The limited adoption of precision medicine programs across the U.S. hospital market is understandable as very few organizations have the funds, technology or expertise to conduct precision medicine on site.
- Many precision medicine programs are in place at larger, research-based organizations such as academic medical centers (35 percent) or multi-hospital health systems (25 percent), or at organization's with over 500 beds (41 percent)

Source: 2016 HIMSS Analytics Precision Medicine Study (N=137)

Current focus has been primarily on cancer

In which of the following areas are you conducting precision medicine? (please select all that apply)



- Most organizations conducting precision medicine have been focused on cancer for a number of reasons. First, cancer is a genome disease and work can be done on tumors to understand genetic changes that go along with an individual's specific cancer. Second, President Obama launched the Precision Medicine Initiative and a large amount of the provided funds have gone to the National Cancer Institute (NCI) for the development of cancer treatments.
- However, precision medicine is being conducted in other areas such as neurological disease and cardiovascular disease.

Source: 2016 HIMSS Analytics Precision Medicine Study (N=39)

Who is your primary precision medicine IT platform vendor (non-EHR)?

Is it a homegrown solution? Do you use a vendor? Is a mixture?

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What best describes your organization's primary driver/incentive to conduct precision medicine?

Respondents picked from drivers ranging from disease prevention to clinical drug trials to patient risk assessment.



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What best describes how your organization is conducting precision medicine?

Respondents answered whether they were conducting precision medicine in house, with a third party or something else.



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Does your organization have plans to take clinical specimen and/or sample and sequence analysis in house?



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Source: 2016 HIMSS Analytics Physician Workforce Study (PWS)

What has been the most challenging aspect integrating clinical and genomic data for the purpose of precision medicine?

Respondents were asked to select their top three challenges for integration of clinical and genomic data.

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Which of the following best describes your strategy around patients/consumers and precision medicine?

Respondents were asked about how patients are educated about the use of precision medicine by the organization.



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More available in the Premium Essentials Brief



- Organizational plans to conduct precision medicine
- Precision medicine vendor solution mind share
- Future areas of focus across:
 - Sources used to conduct precision medicine
 - Patient/consumer strategy
 - Integrating clinical and genomic data
- LOGIC data of historical adoption rates for:
 - Molecular diagnostic solutions
 - Laboratory outreach services
 - Specimen collection management solutions

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Appendix

STAGE	 Adoption Model for Analytics Maturity Cumulative Capabilities
7	Personalized medicine & prescriptive analytics
6	Clinical risk intervention & predictive analytics
5	Enhancing quality of care, population health, and understanding the economics of care
4	Measuring & managing evidence based care, care variability, and waste reduction
3	Efficient, consistent internal and external report production and agility
2	Core data warehouse workout: centralized database with an analytics competency center
1	Foundation building: data aggregation and initial data governance
0	Fragmented point solutions

For help with leveraging the HIMSS Analytics Adoption Model for Analytics Maturity (AMAM), please reach out to the HIMSS Analytics Healthcare Advisory Services Group

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