INTEROPERABILITY

OBSTACLES SOLUTIONS ITS FUTURE



need for interoperability in the industry. While the initiative to push interoperability across healthcare systems began more than a decade ago, obstacles to its full realization still remain. This infographic will explore the value of

interoperability in healthcare, the roadblocks to its adoption and important initiatives to overcome challenges.



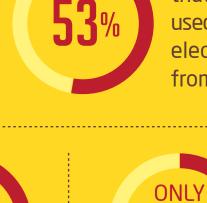
TEROPERABILITY TODAY[1-4]

The goal of interoperability in healthcare is simple - to establish an ecosystem that enables the fast and secure transfer of patient information between different EHR vendors. It aims to connect pharmacies, laboratories, clinics, hospitals and patients for the seamless exchange of medical data. Interoperability in healthcare today

of hospitals of hospitals reported electronically that their EHR provider



exchanged information with outside entities in 2015

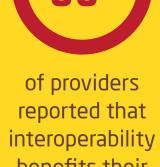


used patient information electronically received from other providers



that interoperability

improves the quality of care received by patients



benefits their efficiency

of hospitals reported that their provider rarely or

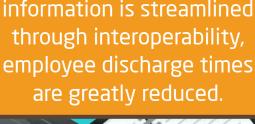
never uses external data All in all, there are three main benefits of interoperability



INCREASE BETTER CARE LOWER COSTS \$ **IN EMPLOYEE AND SECURITY IN HEALTHCARE**



PRODUCTIVITY Since access to medical information is streamlined





error, thus, improving the care & security of patients.



According to the Office of the National Coordinator for Health IT, the shift toward interoperability

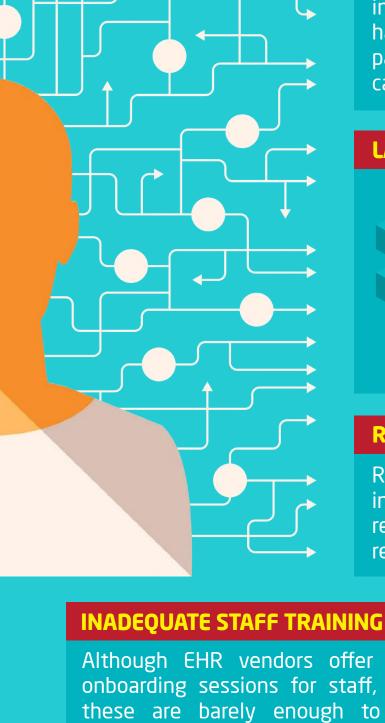
can save over \$30 billion a year from non-integrated healthcare systems.



THE OBSTACLES THAT HINDER INTEROPERABILITY[5-7] Understanding the obstacles to interoperability's adoption in healthcare is the key to accelerating the slow process. Below are some of the identified technical, financial and

INCOMPATIBILITY WITH RECEIVING PARTNER'S EHR SYSTEM Communication issues between two different EHR systems create the most barriers to interoperability. Statistics show that more than

procedural challenges that EHR providers and healthcare organizations need to navigate.



half of providers report that their exchange partners lack the EHR system or the system's capability to receive data.

agreements in place &, in many cases, a business

LACK OF STANDARDIZED BUSINESS MODEL According to director of the Office for Standards and Technology for the Office of the National Coordinator in the U.S. Department of Health and Human Services, "There need to be business

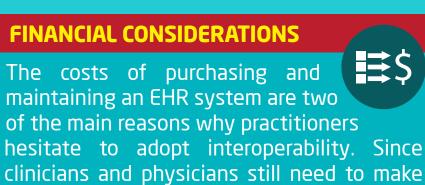


model around exchanging information that impacts the delivery of care - simply putting the technology in people's hands isn't enough."

Rise of Existing EMRs - The proliferation of incompatible, competing electronic medical records is another major obstacle to the full

RISE OF EXISTING EMRS

realization of inoperability. **FINANCIAL CONSIDERATIONS** The costs of purchasing and maintaining an EHR system are two



to an EHR Physician Satisfaction survey, 72% of physicians felt that they needed to train more on their technical competencies.

allow the effective utilization of

THE STRIDES OF INTEROPERABILITY [8-10] Here are some of the technologies being used and steps being taken that advance

a complex, interoperable system. According

a new EHR system.

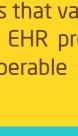
money, they're still concerned about whether

or not there will be a positive ROI to acquiring



PAYMENT AND DELIVERY REFORMS To take advantage of alternative payment models that value the quality of care, EHR providers

VALUE-BASED



need an interoperable system more than ever.

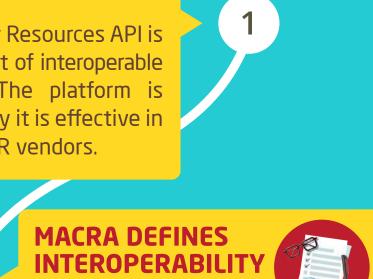
4

& use medical information. These two technologies must abide by guidelines that preserve the quality of patient care. **FOCUSED TRAINING**

2

MACRA defines

interoperability as the



ability of two or more healthcare

technologies to securely exchange

TO THE EHR DEVELOPER CODE OF CONDUCT Under this code, EHR vendors

SOURCES:

COMMITMENT



are committed to build around infrastructures that support interoperability. Absolutely no data-blocking features should be written for EHR systems.



ON CERTAIN STAFF To provide training more

effectively, organizations designate the task of learning the system to only one or two staff members. PARTNERSHIPS BETWEEN HEALTH PLAN **ORGANIZATIONS & DATA EXCHANGES** Health data initiatives are currently taking



LA Care Health Plan, with the help of Safety Net Connect, in connecting 21 hospitals into their health information exchange.

steps toward a more connected health IT

industry. One example is the efforts of the

Organizations continue to pave the way for interoperability one step at a time. There are still plenty of challenges ahead that slow its adoption, but with the collective efforts of EHR providers, hospitals, and health IT organizations, the healthcare industry is surely headed to a more connected future.

6





[1] https://dashboard.healthit.gov/evaluations/data-briefs/non-federal-acute-care-hospital-interoperability-2015.php [2] http://www.beckershospitalreview.com/healthcare-information-technology/hies-and-interoperability-6-statistics-on-quality-efficiency.html [4] http://www.healthcareitnews.com/news/system-interoperability-provides-massive-benefits

[3] http://www.beckershospitalreview.com/healthcare-information-technology/the-state-of-interoperability-5-statistics-from-the-onc.html [5] http://www.healthcareitnews.com/news/lingering-obstacles-block-path-interoperability [6] http://cliniciantoday.com/why-are-ehrs-so-complicated-tips-for-working-with-emrehr-systems/

[7] http://www.semantichealthnet.eu/SemanticHealthNet/assets/File/SHN%20288408%20D3_3%20rev2%20Annex%2013_Stroetman_SHN_D3_3_final.pdf [8] http://www.himssehra.org/docs/InteropStatus_FactSheet_Final_Links.pdf [9] http://healthitinteroperability.com/news/onc-issues-rfi-on-defining-interoperability-under-macra [10] http://healthitinteroperability.com/news/health-information-exchange-partnerships-improve-data-sharing