

HIMSS Analytics Infrastructure Adoption Model (INFRAM)

Healthcare



Strategy realization



Budget prioritization



Capabilities planning



Benchmarking

Building a foundation for healthcare technology maturation

The HIMSS Analytics Infrastructure Adoption Model (INFRAM) helps healthcare leaders assess and map the technology infrastructure capabilities required to reach their strategic and clinical business goals – and meet International benchmarks and standards.

The Infrastructure Adoption Model is an international eight stage (0-7) model for assessing infrastructure adoption and capabilities maturity. The INFRAM consultant services engagement is designed to assist healthcare organizations in assessing and advancing capabilities maturation utilizing a strategic roadmap methodology and implementation adoption. By utilizing the INFRAM, healthcare provider organizations can help improve care delivery, reduce cyber and infrastructure risk, and create a pathway for infrastructure development tied to business and clinical outcomes.

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Benefits

- **Assess:** Get benchmarking data to see where you stand compared to other healthcare organizations.
- **Evaluate:** Identify and define the capabilities of separate infrastructure domains – Transport, Mobility, Collaboration, Security, and Data Center – and understand how they work together.
- **Plan:** Develop a detailed, strategic technology plan that defines the current state, desired future state, and each stage in between to achieve clinical and operational goals.
- **Act:** Gain the evidence needed to create compelling business cases for investment that link stakeholder experiences, outcomes, and technology.

Domains and capabilities

Network capability becomes more critical as digitization accelerates, making a provider's information infrastructure central to the coordination and delivery of care. Staff and patients need to be able to access clinical applications and information, share that information to decide on action, and implement process as a consequence of decision.

The network's ability to support an application, communication, or task, requires capabilities that span across the functions of Transport, Mobility, Collaboration, Security, and Data Center technologies. Understanding how capable these infrastructure technology domains are, is central to the safe and productive functioning of a modern hospital.

Transport: Software-defined network across the hospital campus

Mobility: High-availability wireless with mobility services supporting data, voice, video, location, and beyond

Collaboration: Secure, reliable video, voice, and text – enabling better clinical communications

Security: Intelligent security automation – enforcing policies for network access and device management

Data Center: On-premise, enterprise-wide hybrid cloud application and infrastructure automation

Origins of the HIMSS Analytics INFRAM

One of the most dramatic changes in healthcare over the past 15 years has been the integration of information technology into care delivery. These innovations in the application of digital information systems are great but they may have less-than-desired impact without the network capabilities that enable them to share and orchestrate information between systems and with the individuals that deliver care.

But how do you understand where your information infrastructure gaps are and determine how to fill them?

In 2015, Cisco started to try to answer this question with the infrastructure maturity assessment. This work, built around studies within 30 major acute care hospitals, gave insight on how to benchmark hospitals in their journey to apply information infrastructure more effectively, support staff, and the clinical and operational applications they rely on.

In 2018, HIMSS Analytics took over development of the assessment and built the Infrastructure Adoption Model (INFRAM). Cisco has worked as a collaborator on the pilot program along with other organizations from around the world.

Cisco, a HIMSS Analytics Certified Consultant

Installing new technologies and implementing new information processes in your organization is not always an easy task. To guide organizations along the way, HIMSS Analytics Certified Consultants have been professionally trained on the INFRAM. These Certified Consultants are able to effectively provide education and guidance as you progress through the maturity model stages.

As a HIMSS Analytics Certified Consultant for INFRAM, Cisco can help:

- Provide guidance throughout the INFRAM assessment process
- Work through a stage 1 – 7 gap analysis to identify key areas for infrastructure optimization
- Develop a strategic roadmap for your IT infrastructure to help you achieve clinical and operational goals
- Prepare you for HIMSS Analytics validation

With over 20 years of experience working with providers across transport, mobility, collaboration, data center, and security – our leadership is unmatched. We power innovation at more than 17,000 healthcare organizations in 118 countries. Every day, we push the boundaries of what is possible in healthcare.



Take the next steps

To learn more and bring the power of the HIMSS Analytics INFRAM to your organization, contact your Cisco representative and visit: [HIMSS Analytics INFRAM](#) to explore the assessment process and Cisco as a [Certified Consultant](#).