



Whitepaper Health Check (CMMI)

2023

Health Check (CMMI)

Today digitization is a top priority for German hospital managers - almost 90% of them claim to have a digitization strategy.

In cooperation with the Ostbayerische Technische Hochschule Amberg-Weiden (OTH), we have developed a CMMI maturity model to help hospitals better evaluate decisions and investments.

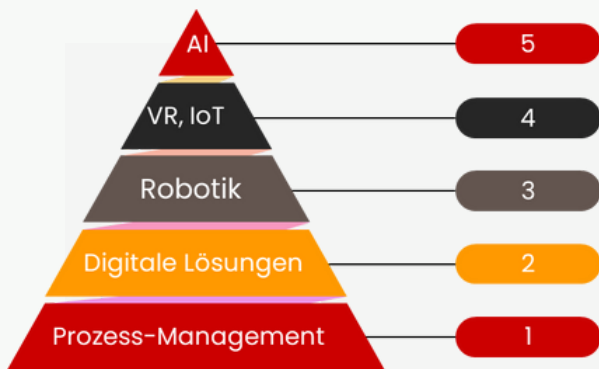
The CMMI (Capability Maturity Model Integration) is a maturity model for assessing processes in hospitals on the basis of best practices. It goes well beyond previous concepts and does not only capture innovative technologies and digital solutions, but also assesses their impact in terms of cost-effectiveness and quality in practice in an impact-oriented manner. CMMI helps to significantly improve an organization's ability to develop complex systems of high quality.

CMMI is based on the principle that the development process used essentially determines the quality of the resulting product. Here, IFOHRA creates transparency and exposes strengths and weaknesses of the processes in the hospitals. Often facilities do not know their processes and therefore do not have an overview of their process costs.

Due to the lack of time and resources, it is very difficult for hospitals to conduct regular internal evaluations, which results in decisions about high investments often being made on the basis of incomplete information and assumptions.

With the introduction of a CMMI process maturity model, we can provide hospitals with a transparent overview of the process landscape. In doing so, we support both operational and strategic business decisions based on recommendations for action from our scientific models.

In the most common, tiered representation, our maturity model comprises five successive stages or maturity levels that provide a structured path for process improvement. (Ref. Fig.1)



CMMI- Maturity Model

- Method for objective evaluation of processes both quantitatively and qualitatively
- Benchmark-based analysis of core processes and supporting processes
- Scientifically generated data to model recommendations for future investment

The best practices to be implemented in order to achieve a maturity level are structured in terms of content in so-called process areas such as strategy, operations, compliance, logistik and more. The process areas are evaluated and assigned maturity levels and address topics from the categories of process management, project management, development and support.

A comprehensive catalog of questions is used to assess the criteria, and various groups of people in the hospital are surveyed. The survey takes place via online questionnaire and personal interviews. This evaluation method can be used in the outpatient and inpatient area and offers the possibility to show the difference between the current and the possible state of care in a structured way.

Frequently asked questions

What is Health Check (CMMI) and why is it important?

- Health Check to assess processes in the hospital against benchmarks. It helps to identify the problem areas in a scientific way.

What problem do we want to solve?

- Lack of process and cost transparency
- Lack of overview of current process costs
- IFOHRA aims to create transparency and identify strengths and weaknesses of the processes together with the participating facility.

What does your company get out of it?

- Process transparency
- Independent opinions
- Comparability (benchmarks)
- Derivation of recommendations for action

How does the Health Check (CMMI) work? How long does it take?

- The survey takes place via online questionnaire and by means of personal interviews
- 2-4 days with good preparation and availability of contact persons
- Total project duration about 4-6 weeks, including about 4 days on site at the clinic

Why IFOHRA?

- Scientific and objective survey method
- Comprehensive overview of healthcare technologies and processes
- Experienced interdisciplinary team from healthcare and industry

About us

IFOHRA combines competencies from industry and healthcare to implement innovative and human-centered solutions to increase efficiency in the healthcare market. As a spin-off of Medical Valley, IFOHRA has a cross-industry partner network, such as the Ostbayerische Technische Hochschule Amberg-Weiden, MSE-Solution PointOut and others.

We are also developing long-term technology plans in the area of 5G infrastructure and digitalization of clinical processes. Medical Valley is one of the most dynamic ecosystems in the healthcare industry, both nationally and internationally.

Contact

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