

# HEALTHCARE INTEROPERABILITY: THE THREE LEVELS

The three levels of healthcare interoperability are the foundational level, the structural level and the semantic level.

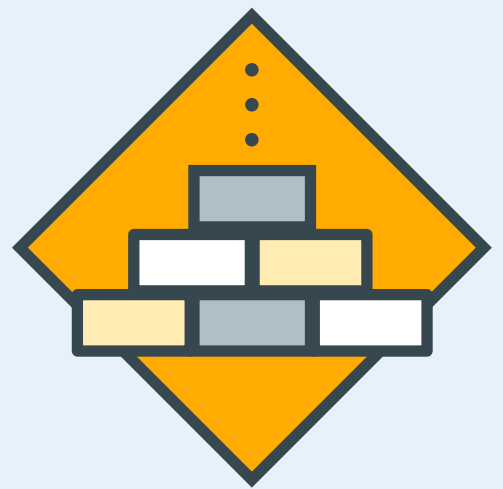


## Foundational Interoperability

Foundational interoperability refers to the ability of one information system to exchange data with another. The main factor in the foundational level is on the receiving end. The system receiving data must not have to interpret any of the information. In other words, data must be system-agnostic.

## Structural Interoperability

Structural interoperability is the second level, which defines the data structure of any information shared between systems. By standardizing the message formatting, data is both preserved and unaltered. In short, data is immediately ready for use in the new system.



## Semantic Interoperability

The third level is semantic interoperability. It is the level specifically associated with the exchanging of healthcare data. In a semantic model, think of the data being available in a cloud format for any system to access, despite the internal systems in play.

A system that integrates at all three levels is the holy grail of interoperability. EnsoData has made the semantic level the focus of our development. Our flagship product, EnsoSleep, uses Waveform AI scoring and analysis to empower clinicians to spend less time with data and more time on patient care. EnsoSleep is built to be fully interoperable and this type of ubiquitous software is the future of healthcare technology.

**Learn more about interoperability:**

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