

*Vadosity provided Veterans and health care providers with a nearly 100-fold improvement in Lab Data delivery time. This solution inspired an entire organization to endeavor to achieve more of the same.*



**Situation** The VA’s Health Data Repository (HDR) system often took more than a minute to produce medical lab results. This frustrated both medical professionals and veteran patients alike.

**The Problem** A combination of the HDR architecture and use of an experiment API caused repeated identical data requests being issued to non-changing data tables in the underlying database. (Here’s a [link](#) to the problem.)

**Solution** The Vadosity engineer built a custom cacheing solution into an extremely complex architecture that cached only static, non-changing medical data for a short period of time. This cacheing mechanism reduced the wait times from over a minute to less than a second.

**Outcome** The solution produced an what can be best described as an uproar.

- Three external SMEs were brought in to verify the medical legality of the solution. The solution was verified as legal and excellent.
- Multiple architectural reviews confirmed the solution’s dramatic performance improvements.
- The greater organization’s Intersystems Cache experts were inspired to attempt to create a similar solution at the database layer.
- The senior government program manager publicly declared the solution as genius and requested that other teams integrate this solution into their deliverables.

**The Bottom Line** Vadosity is committed to creating value with solutions that not only exceed your expectations – but also change the conversation.

For more information, visit us at [www.vadosity.com](http://www.vadosity.com)