



Integrating HRQL instruments directly into your company's existing I.T. systems

NewMetrica instruments add robust measurement of health-related quality of life (HRQL) into clinical trials. This not only delivers a valid, reliable and responsive owner reported outcome measure and more comprehensive analysis but can significantly reduce bias, the placebo effect and sample sizes, so greatly improving trial outcomes and costs.

Above all, it's a simple, digital process. The development team at NewMetrica realises the importance of having a single, standard process to capture and store all the data associated with clinical trials.

We have worked closely with FDA CVM in developing our tools so that all are compliant with 21 CFR 11 for electronic data capture. To add a robust HRQL dimension to your trial, we can either host your questions and data on our systems, or link seamlessly into yours.

The technical details

Below are three practical scenarios where VetMetrica can provide an added dimension and value to your trial. Other possibilities also exist however and we'd be pleased to discuss individual requirements.

Scenario 1:

A CRO / Pharma company wants to incorporate scores from the VetMetrica system automatically into trial results on its own systems. The CRO system gathers answers to the 22 question Vetmetrica questionnaire itself, but wants to get the calculated assessment results from the VetMetrica Instrument.

We achieve this using an existing SOAP based web service whereby the CRO's system can make a web service call to the VetMetrica Instrument (secure and encrypted over the internet) and pass it details of the animal, along with details of the 22 question responses. The NewMetrica algorithm will immediately return the calculated results into the CRO system, which can then store that result alongside its own record of the questionnaire.

Scenario 2:

A CRO / Pharma system wants the Vetmetrica questionnaire as part of the trial, but does not want to directly gather the questionnaire responses itself.

In this case we have two options:

- a. We support the CRO having a login to the VetMetrica website, which they use to conduct the trial and enter questionnaire responses manually into the system (or get owners/vets to do so as part of the trial). Simple data extracts are available in the website which the CRO Researcher can use to export data directly into the CRO system as a file (assuming suitable CSV file import capabilities in the CRO system). If the file format from the VetMetrica system is not suitable, then we are usually able to customise this to the CRO requirements.
- b. The second option still involves the CRO having logins on the VetMetrica system through which the data entry for questionnaires is done, but the extract of data is more automated. This is achieved by creating a new web service integration which allows the CRO system to extract results on demand over the internet, rather than by manual file extract.

Scenario 3: - “full scope” integration

Linkage between the CRO system and the VetMetrica system can be achieved to a level that minimises any need for manual re-entry of data.

The VetMetrica system can be set up with all details of a trial initiated by the CRO system; the setup of researcher, vet, owner and pet details. As the trial progresses, the CRO system can access results on an ongoing basis for storing and processing in whatever way it needs internally. This is achieved via SOAP or REST web services technology – again on the basis that the CRO system makes calls to the VetMetrica system to request different operations are carried out, and/or return data.

Data security

VetMetrica is hosted as a cloud web application within the Microsoft Azure Cloud platform. Even though conducted over the “public” internet, the transactions between the external system and the VetMetrica system are secure and encrypted via standard HTTPS technology and authentication via passwords.

If required it is also possible through Azure to set up more private network connectivity between the CRO system and the Vetmetrica system.

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