Digital Health Tools & Clinical Decision Making

**TA4:** Develop a simple prototype decision support tool using an evidence-based medicine approach

## TASK – Build a web form/page to assist clinical scientists to create JSON config files for the inhouse-DSS project

* Example config file: [variants2table/tests/data/example\_config.json at dev · casglh/variants2table](https://github.com/casglh/variants2table/blob/dev/tests/data/example_config.json)
* Config file model: [variants2table/src/config.py at dev · casglh/variants2table](https://github.com/casglh/variants2table/blob/dev/src/config.py)

Produce a simple web form that will produce a JSON file on save for use in the inhouse DSS project. Things to consider:

1. Usage of drop-down lists for fields that must be a specific string (e.g. keep/discard for if\_null field)
2. Use hints in pop=up boxes for each field – what it means/is used for etc.
3. Automatic versioning?
4. Auditability – who created the file and timestamp
5. data validation e.g. pipeline name already in use/unique no spaces etc.
6. Ability to modify existing JSON files and automatic versioning.
7. Location of saved JSON file – don’t hardcode – make flexible e.g. import as variable from config file.
8. View existing JSON files/records?

JSON validation tool/ web form to create Json config file for clinical DSS.

This JSON file contains the information that is used to apply decision trees/clinical guidelines based on evidence based medicine and the national test directory.