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| Concepts and principles | Description |
| Open | Anyone can freely access, use, modify, and share for any purpose |
| Open Science | Practicing science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of the research and its underlying data and methods |
| Reproducible | Producing equivalent outcomes from the same data set, or in the case of computational reproducibility, producing equivalent outcomes from the same data set using the same code and software as the original study |
| Principle 1 | Transparency in experimental methods, observations, and collection of data |
| Principle 2 | Public availability and reusability of scientific data |
| Principle 3 | Public accessibility and transparency of scientific communication |
| Principle 4 | The use of web-based tools to facilitate scientific collaboration and reproducibility |