

# COGLS20

## Analyse and interpret data for life sciences



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### Overview

This standard is for those with responsibility for analyzing and interpreting data for life sciences related work activities. This includes different methodology to analyse data and report writing. This can occur during workplace activities or after they have occurred.

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

The activity is likely to be undertaken by someone whose work role carries out life science related work activities. This could include individuals working in hospitals, scientific laboratories, schools and universities.

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### Performance criteria

- You must be able to:*
- P1 ensure that your life sciences related work activity is carried out in accordance with workplace procedures
  - P2 ensure you have all the data and information required to perform the analysis
  - P3 review the data and information to select the methodology required to analyse the data
  - P4 performing quality checks on the data accordance with organizational policies and procedures
  - P5 compile the results of the analyse and check for any variances in the data
  - P6 report any variances to the appropriate people and deal with them in accordance with organizational policies and procedures
  - P7 carry out the report writing within the agreed timeline
  - P8 issue the report, requesting feedback from the agreed people reviewing the report
  - P9 ensure that amendments are made in line with organizational policies and procedures
  - P10 issue the final report to the relevant personnel

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### Knowledge and understanding

*You need to know and understand:*

- K1 why it's important to understand and keep up with the strategic direction of the life sciences agenda across the UK and globally and how this will influence the organisation
- K2 how to ensure cost effectiveness does not affect quality
- K3 why it's important to understand the latest technological developments in the life sciences
- K4 what your personal responsibilities with regard to health and safety in the working area are
- K5 what your legal responsibility for your own health and safety, and the health and safety of others is
- K6 what the organizational policies and procedures are and why it is important to follow them
- K7 how to review analysis on data
- K8 how to interpret data in life sciences related work activities
- K9 different methodology used to analyse data
- K10 types of variation that can occur with data and the causes
- K11 what to do when variations in data occur
- K12 how to write a report
- K13 the different types of reports
- K14 when and why to make amendments
- K15 who to issue the reports to
- K16 organisational coding and document numbering systems

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