

V5 Registration Training

Portfolio *Section 2 Module 5*

The purpose of S2:M5 is to demonstrate professional competence in practice rather than academic research.

The evidence should not be just the university research project; it should evidence using research skills in practice to demonstrate the HCPC Standards of Proficiency for this module:

Mandatory evidence	
13.9	Recognise the value of research to the critical evaluation of practice
13.29	Use statistical packages and present data in an appropriate format
13.30	Design experiments, report, interpret and present data using scientific convention, including application of SI units and other units used in biomedical science
Candidate choice evidence	
13.8	Recognise a range of research methodologies relevant to their role
4.7	Use research, reasoning and problem-solving skills when determining appropriate actions
12.2	Demonstrate awareness of the principles and applications of scientific enquiry, including the evaluation of treatment efficacy and the research process
13.1	Change their practice as needed to take account of new developments, technologies and changing contexts
13.10	Critically evaluate research and other evidence to inform their own practice
13.11	Engage service users in research as appropriate

Effective evidence should show the ability to design and complete research that is relevant to biomedical science, interpret data appropriately, and carry out statistical analysis to support the conclusions.

Small workplace projects that show real service improvements are better portfolio evidence than large university “research-style” projects. Evidence should be rooted in practice and service improvements. This approach is beneficial to the laboratory, not a massive piece of research, not expensive and involves applying skills to the workplace.

Four key questions to consider

If you can clearly answer these four questions, the evidence is almost always suitable for the portfolio:



What was the problem?

Identify what was not working and why it mattered in practice



What did you change?

Describe your approach, including hypothesis, methods or interventions



What does the evidence show?

Analyse data to demonstrate impact, outcomes, or improvement



What would you do differently?

Reflect on limitations and future improvements

Placement students can complete their portfolio and verification during / at the end of the placement year and will be eligible to apply for HCPC registration after graduation.



Workplace Research Ideas

Small, well-defined projects that deliver genuine service improvements

Quality and Service Improvement

- Reducing pre-analytical errors through audit and re-audit
- Improving turnaround times for a test pathway
- Investigating IQC or EQA trends with corrective actions
- Analysing incident or sample rejection trends

Technical and Scientific Practice

- Method verification or comparison for a single test
- Review of reference ranges or measurement uncertainty
- Redesigning SOPs using staff feedback
- Workflow mapping for an individual assay

Clinical Interface and Digital

- Service user education with impact evaluation
- Improving LIMS workflows using time or motion data
- Developing training resources for new starters
- Creating or reviewing local competency checklists

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