

## Table 2 - Good Scientific Practice Portfolio Mapping Template

Any one piece of evidence can be used in support of more than one domain or subdomain but it is expected that more than one piece of evidence will be submitted per domain.

Good Scientific Practice Standard	Indicate the page numbers/section in your Portfolio which demonstrate achievement of this Standard
<b>Domain 1: Professional Practice</b>	
<b>1.1 Professional Practice</b>	
1.1.1 Make the patient your first concern	
1.1.2 Exercise your professional duty of care	
1.1.3 Work within the agreed scope of practice for lawful, safe and effective healthcare science	
1.1.4 Keep your professional, scientific, technical knowledge and skills up to date	
1.1.5 Engage fully in evidence based practice	
1.1.6 Draw on appropriate skills and knowledge in order to make professional judgements	
1.1.7 Work within the limits of your personal competence	
1.1.8 Act without delay on concerns raised by patients or carers or if you have good reason to believe that you or a colleague may be putting people at risk	
1.1.9 Never discriminate unfairly against patients, carers or colleagues	
1.1.10 Treat each patient as an individual, respect their dignity and confidentiality and uphold the rights, values and autonomy of every service user, including their role in the diagnostic and therapeutic process and in maintaining health and well-being.	
1.1.11 Respond constructively to the outcome of audit, appraisals and performance reviews, undertaking further training where necessary	
<b>1.2 Probity</b>	

1.2.1	Make sure that your conduct at all times justifies the trust of patients, carers and colleagues and maintains the public's trust in the scientific profession	
1.2.2	Inform the appropriate regulatory body without delay if, at any time, you have accepted a caution, been charged with or found guilty of a criminal offence, or if any finding has been made against you as a result of fitness to practice procedures, or if you are suspended from a scientific post, or if you have any restrictions placed on your scientific, clinical or technical practice	
1.2.3	Be open, honest and act with integrity at all times, including but not limited to: writing reports, signing documents, providing information about your qualifications, experience, and position in the scientific community, and providing written and verbal information to any formal enquiry or litigation, including that relating to the limits of your scientific knowledge and experience	
1.2.4	Take all reasonable steps to verify information in reports and documents, including research	
1.2.5	Work within the Standards of Conduct, Performance and Ethics set by your profession	
<b>1.3</b>	<b>Working with colleagues</b>	
1.3.1	Work with other professionals, support staff, service users, carers and relatives in the ways that best serve patients' interests	
1.3.2	Work effectively as a member of a multi-disciplinary team	
1.3.3	Consult and take advice from colleagues where appropriate	
1.3.4	Be readily accessible when you are on duty	
1.3.5	Respect the skills and contributions of your colleagues	
1.3.6	Participate in regular reviews of team performance.	
<b>1.4</b>	<b>Training and developing others</b>	
1.4.1	Contribute to the education and training of colleagues	
1.4.2	If you have responsibilities for teaching, develop the skills, attitudes and practices of a competent teacher	
1.4.3	Ensure that junior colleagues and students are properly supervised	
1.4.4	Support colleagues who have difficulties with performance, conduct or health	

1.4.5	Share information with colleagues to protect patient safety	
1.4.6	Provide work-based development for colleagues to enhance/improve skills and knowledge	
<b>Domain 2: Scientific Practice</b>		
<b>2.1 Scientific Practice</b>		
2.1.1	Develop investigative strategies/procedures/processes that take account of relevant clinical and other sources of information	
2.1.2	Provide scientific advice to ensure the safe and effective delivery of services	
2.1.3	Undertake scientific investigations using qualitative and quantitative methods to aid the screening, diagnosis, prognosis, monitoring and/or treatment of health and disorders appropriate to the discipline	
2.1.4	Investigate and monitor disease processes and normal states	
2.1.5	Provide clear reports using appropriate methods of analysing, summarising and displaying information	
2.1.6	Critically evaluate data, draw conclusions from it , formulate actions and recommend further investigations where appropriate	
<b>2.2 Technical Practice</b>		
2.2.1	Provide technical advice to ensure the safe and effective delivery of services	
2.2.2	Plan, take part in and act on the outcome of regular and systematic audit	
2.2.3	Work within the principles and practice of instruments, equipment and methodology used in the relevant scope of practice	
2.2.4	Demonstrate practical skills in the essentials of measurement, data generation and analysis	
2.2.5	Assess and evaluate new technologies prior to their routine use	
2.2.6	Identify and manage sources of risk in the workplace, including specimens, raw materials, clinical and special waste, equipment, radiation and electricity.	
2.2.7	Apply principles of good practice in health and safety to all aspects of the workplace	

2.2.8 Apply correct methods of disinfection, sterilisation and decontamination and deal with waste and spillages correctly.	
2.2.9 Demonstrate appropriate level of skill in the use of information and communications technology	
<b>2.3 Quality</b>	
2.3.1 Set, maintain and apply quality standards, control and assurance techniques for interventions across all clinical, scientific and technological activities	
2.3.2 Make judgements on the effectiveness of processes and procedures	
2.3.3 Participate in quality assurance programmes	
2.3.4 Maintain an effective audit trail and work towards continuous improvement	
<b>Domain 3: Clinical Practice</b>	
<b>3.1 Clinical Practice</b>	
3.1.1 Ensure that you and the staff you supervise understand the need for and obtain relevant consent before undertaking any investigation, examination, provision of treatment, or involvement of patients and carers in teaching or research	
3.1.2 Ensure that you and the staff you supervise maintain confidentiality of patient information and records in line with published guidance	
3.1.3 Ensure that you and your staff understand the wider clinical consequences of decisions made on your actions or advice	
3.1.4 Demonstrate expertise in the wider clinical situation that applies to patients who present in your discipline	
3.1.5 Maintain up to date knowledge of the clinical evidence base that underpins the services that you provide and/or supervise and ensure that these services are in line with the best clinical evidence	
3.1.6 Plan and determine the range of clinical/scientific investigations or products required to meet diagnostic, therapeutic, rehabilitative or treatment needs of patients, taking account of the complete clinical picture	
3.1.7 Plan and agree investigative strategies and clinical protocols for the optimal diagnosis, monitoring and therapy of patients with a range of disorders	

3.1.8	Ensure that detailed clinical assessments are undertaken and recorded using appropriate techniques and equipment and that the outcomes of these investigations are reviewed regularly with users of the service	
3.1.9	Ensure the provision of expert interpretation of complex and or specialist data across your discipline in the context of clinical questions posed	
3.1.10	Undertake and record a detailed clinical assessment using appropriate techniques and equipment	
3.1.11	Provide specialised clinical investigation and/or analysis appropriate to your discipline	
3.1.12	Provide interpretation of complex and/or specialist data in the context of the clinical question posed	
3.1.13	Provide clinical advice based on results obtained, including a diagnostic or therapeutic opinion for further action to be taken by the individual directly responsible for the care of the patient	
3.1.14	Provide expert clinical advice to stakeholders in order to optimise the efficiency and effectiveness of clinical investigation of individuals and groups of patients	
3.1.15	Prioritise the delivery of investigations, services or treatment based on clinical need of patients	
3.1.16	Represent your discipline in multidisciplinary clinical meetings to discuss patient outcomes and the appropriateness of services provided	
3.1.17	Ensure that regular and systematic clinical audit is undertaken and be responsible for modifying services based on audit findings.	
<b>3.2 Investigation and reporting</b>		
3.2.1	Plan and conduct scientific, technical, diagnostic, monitoring, treatment and therapeutic procedures with professional skill and ensuring the safety of patients, the public and staff	
3.2.2	Perform investigations and procedures/design products to assist with the management, diagnosis, treatment, rehabilitation or planning in relation to the range of patient conditions/equipment within a specialist scope of practice	
3.2.3	Monitor and report on progress of patient conditions/use of technology and the need for further interventions.	

3.2.4	Interpret and report on a range of investigations or procedures associated with the management of patient conditions/equipment	
<b>Domain 4: Research, Development and Innovation</b>		
<b>4.1</b>	<b>Research, Development and Innovation</b>	
4.1.1	Search and critically appraise scientific literature and other sources of information	
4.1.2	Engage in evidence-based practice, participate in audit procedures and critically search for, appraise and identify innovative approaches to practice and delivery of healthcare	
4.1.3	Apply a range of research methodologies and initiate and participate in collaborative research	
4.1.4	Manage research and development within a governance framework	
4.1.5	Develop, evaluate, validate and verify new scientific, technical, diagnostic, monitoring, treatment and therapeutic procedures and, where indicated by the evidence, adapt and embed them in routine practice	
4.1.6	Evaluate research and other available evidence to inform own practice in order to ensure that it remains at the leading edge of innovation.	
4.1.7	Interpret data in the prevailing clinical context	
4.1.8	Perform experimental work, produce and present results	
4.1.9	Present data, research findings and innovative approaches to practice to peers in appropriate forms	
4.1.10	Support the wider healthcare team in the spread and adoption of innovative technologies and practice	
<b>Domain 5: Clinical Leadership</b>		
<b>5.1</b>	<b>Leadership</b>	
5.1.1	Maintain responsibility when delegating healthcare activities and provide support as needed	
5.1.2	Respect the skills and contributions of your colleagues	
5.1.3	Protect patients from risk or harm presented by another person's conduct, performance or health	
5.1.4	Treat your colleagues fairly and with respect	

5.1.5 Make suitable arrangements to ensure that roles and responsibilities are covered when you are absent, including handover at sufficient level of detail to competent colleagues	
5.1.6 Ensure that patients, carers and colleagues understand the role and responsibilities of each member of the team	
5.1.7 Ensure that systems are in place through which colleagues can raise concerns and take steps to act on those concerns if justified	
5.1.8 Ensure regular reviews of team performance and take steps to develop and strengthen the team	
5.1.9 Take steps to remedy any deficiencies in team performance	
5.1.10 Refer patients to appropriate health professionals	
5.1.11 Identify and take appropriate action to meet the development needs of those for whom you have management, supervision or training responsibilities	
5.1.12 Act as an ambassador for the Healthcare Science community	

