**Artificial Intelligence Evaluation Template**

*Analysing the actual performance of the AI system within the healthcare setting*

*This document has been collated by the Scottish Radiology Transformation Programme (SRTP) AI Steering Group as a best endeavours approach, based on current experience and available information, to assist NHS Boards in piloting radiology AI solutions, should they wish to use it. The content within this form has not been formally consulted and may be updated, as and when new versions become known, or work is commissioned to provide a more formal approach to AI use within NHSScotland.*

This document gives an evaluation framework for comparing the actual performance of the AI with expected performance. It will assess the impact of the algorithm by looking at how well it integrates into existing workflows and the expected long-term acceptance by clinicians and patients.

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| **Project Information** | |
| Project Title |  |
| Evaluation Date |  |
| Author |  |
| Responsible Clinician |  |
| Approved by |  |
| Approved date |  |
| Name of AI Vendor and product |  |
| Evaluation start date |  |
| Evaluation end date |  |
| **Integration into the healthcare setting**  **Please attach a pre-implementation and AI enhanced clinical workflow map** | |
| Reported AI performance |  |
| Validation AI performance |  |
| Clinical performance   * *Clinical efficiency* * *Clinical Utility* * *Contingency plans*   + *Technical failure*   + *Integration failure*   + *Poor performance* |  |
| How well does the system integrate into the workflow? Does the impact of the system meet the goals? |  |
| Any additional work created, as a consequence of the AI?  *e.g. IT systems, further requests, clinician time* |  |
| Acceptance by users |  |
| Acceptance by patients |  |
| **Safety and Quality** | |
| Establish potential and actual risk of harm *(e.g. misdiagnosis, discrimination, loss of skill)* |  |
| Process to establish how these can be anticipated/eliminated/minimised |  |
| Regulatory requirements for approval or accreditation been addressed |  |
| **On Completion** | |
| Recommendation |  |
| Next Steps |  |