# AI appraisal questionnaire (based on SPIRIT-AI)

| **#** | **AI SERVICE DESCRIPTION** | **RELATED SPIRIT-AI ITEM** |
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| **1** | Indicate that the provided service involves artificial intelligence / machine learning and specify the type of model. | SPIRIT-AI 1(i) Elaboration |
| **2** | Specify the intended use of the AI service. | SPIRIT-AI 1(ii) Elaboration |
| **3** | Explain the intended use of the AI service in the context of the clinical pathway, including its purpose and its intended users (e.g. healthcare professionals, patients, public). | SPIRIT-AI 6a (i) Extension |
| **4** | Describe any pre-existing evidence for the AI service. | SPIRIT-AI 6a (ii) Extension |
| **5** | Describe the onsite and offsite requirements needed to integrate the AI service into the intended setting. | SPIRIT-AI 9 Extension |
| **6** | State the inclusion and exclusion criteria at the level of participants. | SPIRIT-AI 10 (i) Elaboration |
| **7** | State the inclusion and exclusion criteria at the level of the input data. | SPIRIT-AI 10 (ii) Extension |
| **8** | State which version of the AI algorithm will be used. | SPIRIT-AI 11a (i) Extension |
| **9** | Specify the procedure for acquiring and selecting the input data for the AI intervention. | SPIRIT-AI 11a (ii) Extension |
| **10** | Specify the procedure for assessing and handling poor quality or unavailable input data. | SPIRIT-AI 11a (iii) Extension |
| **11** | Specify whether there is human-AI interaction in the handling of the input data, and what level of expertise is required for users. | SPIRIT-AI 11a (iv) Extension |
| **12** | Specify the output of the AI service. | SPIRIT-AI 11a (v) Extension |
| **13** | Explain the procedure for how the AI service’s output will contribute to decision-making or other elements of clinical practice. | SPIRIT-AI 11a (vi) Extension |
| **14** | Describe results of any analysis of performance errors and how errors were identified, where applicable. If no such analysis was planned or done, explain why not. | SPIRIT-AI 22 Extension |
| **15** | State whether and how the AI service's code can be accessed, including any restrictions to access or re-use. | SPIRIT-AI 29 Extension |

**Thing title:**

**Date:**