OVERVIEW OF CHECKLIST FACTORS AND 'HOW-TO-EVALUATE' QUESTIONS.

	Disagree Strongly	Disagree	Somewhat disagree	Undecided	Somewhat agree	Agree	Strongly agree
Domain 1: The CDS context							
1.1. CDS can achieve the planned quality objectives							
• Does CDS address the factors that explain the current behaviour of healthcare providers and patients?							
• Does the available evidence support the use of CDS for the given outcomes, tasks and settings?							
1.2 The quality of the patient data is sufficient							
• Is the structured patient data that is needed to achieve the CDS objective sufficiently accurate and complete to allow the use of CDS?							
• If necessary, can the quality of the data be improved or can the CDS itself improve the data quality?							
1.3 Stakeholders and users accept CDS							
• Is there a clear benefit to the users who will engage with the CDS?							
• Do the users and stakeholders have a positive attitude towards the use of CDS?							
• If necessary, is it possible to increase user and stakeholder acceptance?							
1.4 CDS can be added to the existing workload, workflows and systems							
• Is the required hardware available and what will the impact be of adding CDS to the existing information systems?							
• Is it feasible to introduce CDS, given the current workload and the usual work processes?							
• If necessary, can the workload or the work processes be changed or can the CDS system improve the workload or work processes?							
Domain 2: The CDS content							
2.1 The content provides trustworthy evidence-based information							
• Do the organisation(s) and people that developed the decision support have credibility?							
• Is the advice supported by up-to-date scientific evidence and is the type and quality of this evidence clear to the user?							
• Is the decision support clear on the benefits and harms of the different management options?							
2.2 The decision support is relevant and accurate							
• Does the decision support contain accurate information that is pertinent to the care of the patient?							
• Does the decision support address the information needs of the users?							
• Is it clear to the users why the decision support information is provided for a given patient?							
2.3 The decision support provides an appropriate call to action							
• Is the recommended action clear enough for the targeted users to act on?							
• Is the clinical importance and urgency of the recommended action sufficiently clear?							
• Is the advice applicable in the setting in which it will be implemented?							
• Is it clear how the recommended action fits with other current guidelines?							
2.4 The amount of decision support is manageable for the target user							
• Is the total amount of decision support manageable for the healthcare provider?							
• Is the amount of decision support per patient manageable?							

	Disagree Strongly	Disagree	Somewhat disagree	Undecided	Somewhat agree	Agree	Strongly agree

Domain 3: The CDS system

3.1 The system is easy to use
- Is it easy for users to interact with the CDS system?
- Does the system facilitate (or, at least, not hinder) the workflow of the healthcare providers?
- Can the system be customised to provide better user support
- Is the system always up and running?

3.2 The decision support is well delivered
- Is the advice delivered in an appropriate mode, format and channel?
- Is the display of the decision support eye-catching, intuitive, concise, consistent and unambiguous?
- Is it appropriate to use specific functions (e.g. pop-ups, computerised restrictions, indications of (dis)agreement) for prioritised decision support?

3.3 The system delivers the decision support to the right target person
- Is the system reaching the targeted users (healthcare providers and/or patients)?
- Is the system able to facilitate team processes when these are needed?

3.4 The decision support is available at the right time
- Does the system provide the decision support at a moment of need?

Domain 4: The CDS implementation

4.1 Information to users about the CDS and its functions is appropriate
- Is the communication and documentation about the CDS appropriate?
- Are help topics related to the functioning of the CDS system available to users?
- If necessary, is user training available?

4.2 Other barriers and facilitators to compliance with the decision support advice are assessed/addressed
- Is there an assessment of the beliefs, attitudes and skills of the providers and patients that may affect adherence? Are actions planned/taken accordingly?
- Is there an assessment of the professional interactions affecting adherence, and are actions planned/taken accordingly?
- Is there an assessment of the (dis)incentives affecting the adherence of healthcare providers and patients? Are necessary actions planned/ taken?
- Is there an assessment of the issues related to the capacity and resources needed to ensure adherence? Are the necessary actions planned/ taken?
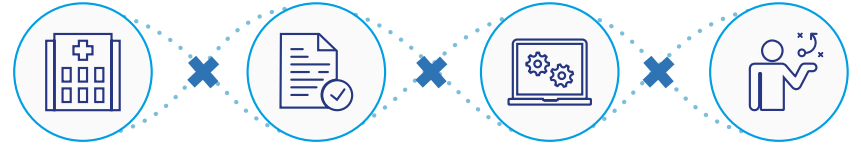- Does the organisational context influence adherence and are actions planned/taken accordingly?

4.3 Implementation is stepwise and the improvements in the CDS system are continuous
- Is the implementation of the CDS stepwise?
- Is a plan in place to collect user feedback and to monitor system usage, performance and outcomes?
- Are malfunctions and other problems with use of the CDS quickly fixed?

4.4 Governance of the CDS implementation is appropriate
- Are all the key stakeholders involved in the planning and implementation of the system?
- Is the CDS initiative governed in an efficient, sustainable and equitable way?

OVERALL CONCLUSION

Notes:

Follow-up actions: