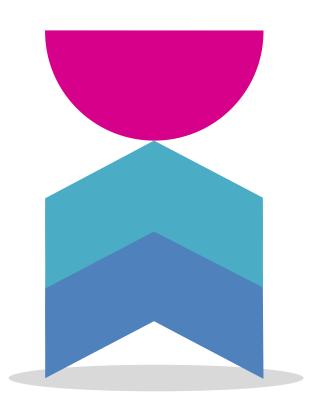
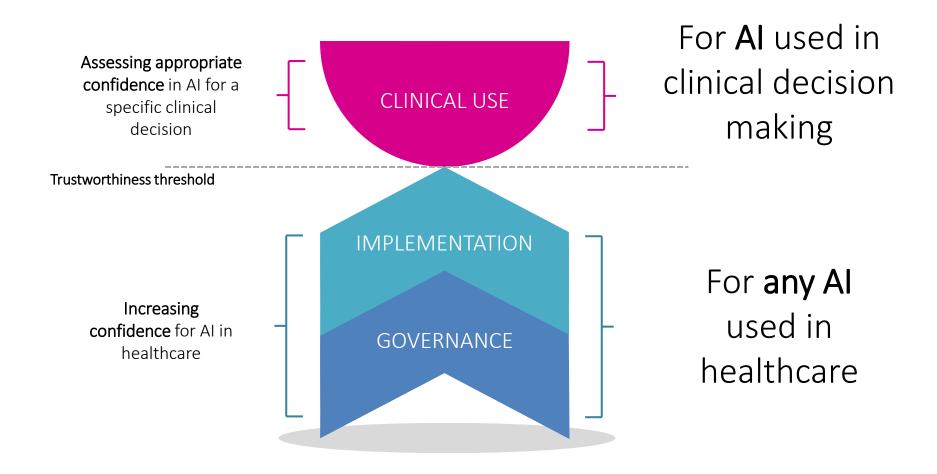




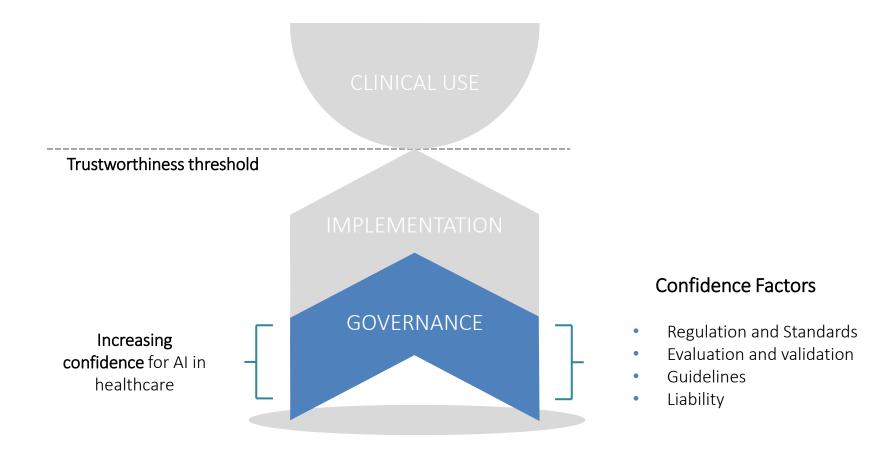
# Understanding healthcare workers' confidence in Al



## Al confidence in healthcare: A framework



### Governance: The foundation of AI confidence





# Governance: Actions for confidence in Al

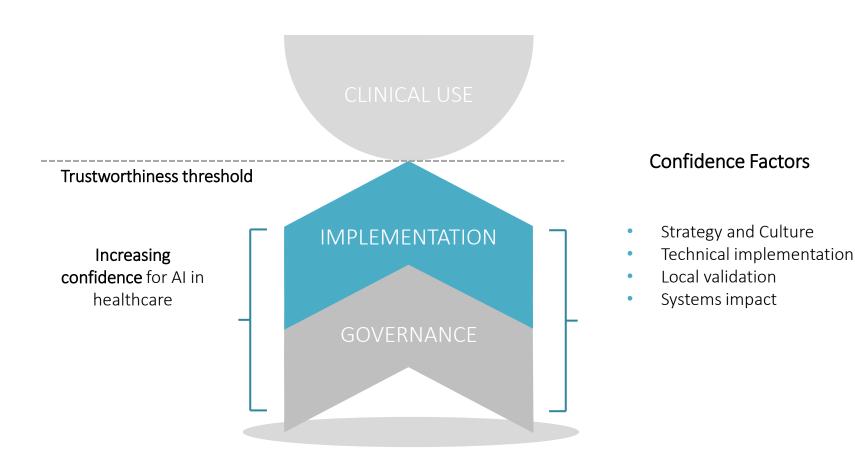
- Develop professional guidelines on creating, implementing and using AI for all clinical staff groups
- Continue development of regulatory frameworks for Al performance, quality and risk management
- Finalise formal requirements for evidence and validation of Al technologies
- Develop further guidance on liability for AI (including autonomous AI)



# Governance: Actions (cont.)

- Establish flexible and dynamic process for developing clinical guidelines on Al-assisted clinical tasks and technologies
- Develop clear oversight and governance pathways for AI, including AI not classified as a medical device
- Develop standards for developing AI for health and care settings (including co-creation with users, model transparency and mitigation of model bias)
- Conduct further research to understand how certain AI model features influence confidence

# Implementation: Building AI confidence

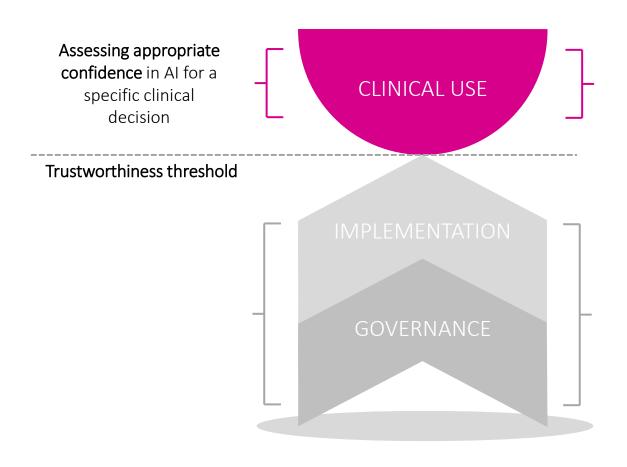




# Implementation: Actions for confidence in Al

- Develop further advice, guidelines and prototypes for information technology and governance
- Develop strategies and assign resources to encourage cultures that support innovation and robust appraisal of Al
- Collaboration and sharing of knowledge across NHS sites adopting AI technologies
- Develop and resource multi-disciplinary AI teams across clinical, technical, and administrative roles.
- Establish pathways for ongoing monitoring, performance feedback and safety event reporting involving AI technologies

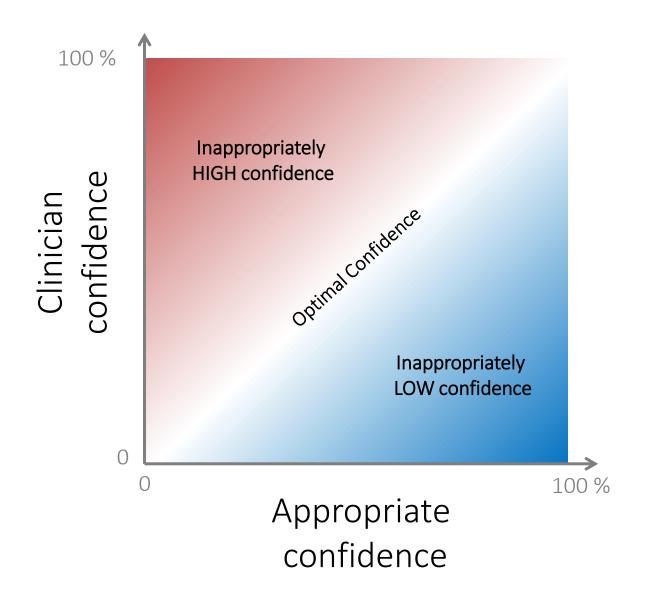
# Clinical Use: Assessing appropriate Al confidence



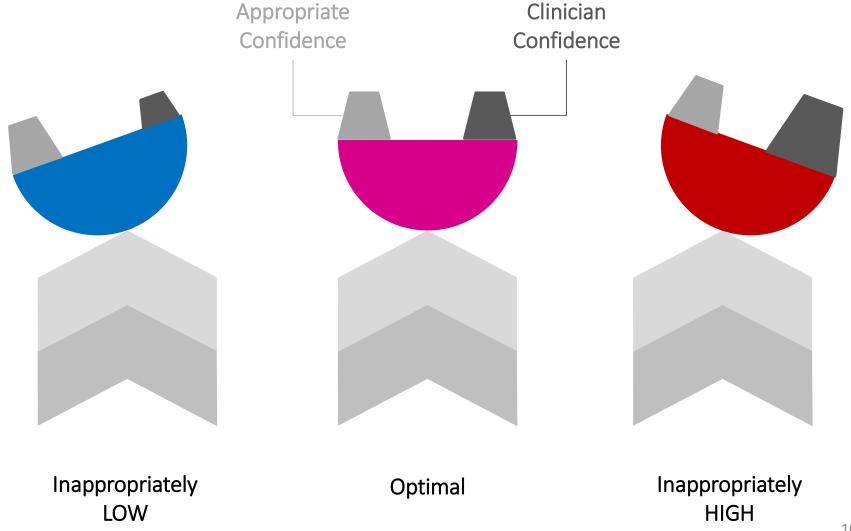
#### **Confidence Factors**

- Clinician attitudes
- Clinical context
- Al model design
- Workflow integration
- Cognitive biases

# Clinical Use: Appropriate and optimal confidence



# Clinical Use: Confidence in Al-derived information





### Clinical Use: Actions for confidence in Al

- Develop internal systems to record Al-assisted CRDM, including how Al has influenced or changed the decision
- Conduct further research on explainable AI and its safe use in clinical reasoning and decision making (CRDM)
- Conduct further research to understand and optimise presentation of Al-derived information for CRDM
- Develop confidence in AI technologies via patient engagement and education activities
- Enable clinicians to determine appropriate confidence in Al-derived information and balance it with conventional clinical information for CRDM