



Critical appraisal tools

Critical appraisal for public health: a new checklist

What is it? The checklist is organised using the 'ask', 'collect', 'understand' and 'use' categories of the Population Health Evidence Cycle.

Use it for: Critical appraisal of papers relating to public health issues. Readers are asked to assess validity, completeness and transferability of the data as they relate to: the study question; key aspects of the methodology; possible public health implications of the key results; and the implications for implementation in their own public health practice.

Critical Appraisals Skills Programme (CASP)

What is it? This set of eight critical appraisal tools are designed to be used when reading research.

Use it for: Systematic Reviews, Randomised Controlled Trials, Cohort Studies, Case Control Studies, Economic Evaluations, Diagnostic Studies, Qualitative studies and Clinical Prediction Rule.

Joanna Briggs Institute

What is it? JBI's critical appraisal tools assist in assessing the trustworthiness, relevance and results of published papers.

Use it for: Analytical Cross Sectional Studies, Case Control Studies, Case Reports, Case Series, Cohort Studies, Diagnostic Test Accuracy Studies, Economic Evaluations, Prevalence Studies, Qualitative Research, Quasi-Experimental Studies (non-randomised experimental studies), Randomised Controlled Trials, Systematic Reviews, Text and Opinion.

The CRAAP Test

What is it? The CRAAP Test is a list of questions that help you determine if the sources you found are accurate and reliable. Keep in mind that the following list is not static or complete. Different criteria will be more or less important depending on your situation or need.

Use it for: Websites, Grey Literature.

Evaluating an Infographic and Data Visualisation

What is it? This guide has been produced to support people in assessing the credibility, reliability and relevance of infographics.

Use it for: Infographics, Data Visualisation, charts or diagrams used to represent information or data.

The GATE frame: critical appraisal with pictures

What is it? The GATE frame is a graphic representation of the generic structure of all epidemiological studies. We have found that hanging studies on the GATE frame helps students understand epidemiology and can facilitate the critical appraisal of epidemiological studies, especially making overall judgements about study quality.

Use it for: Epidemiological Studies.

Critical appraisal checklists

What is it? Greenhalgh et al. have brought together a range of critical appraisal checklists in their book *Diffusion of Innovation in Health Service Organisations*.

Use it for: Experimental research.

Critical Thinking and Appraisal Resource Library

What is it? A searchable database with over 500 learning resources covering all stages of evidence-based practice.

Use it for: Evidence-based Medicine Practice.

Understanding Health Research - A tool for making sense of health studies

What is it? This tool can help you review a piece of health research by guiding you through a series of questions to ask about it.

Use it for: Reviews, Research, creating an automated summary of your conclusion.

For more information or support in using the checklists, please contact libraries@phe.gov.uk.