

# GM-ELIAT: Embedded tools to identify health and social care risks

## Risk assessment questionnaires

Specific symptoms, pathology results or clinical examination findings activate embedded questionnaires. Calculations are made from the items selected in the questionnaire. Results and interpretations appear in the Risk assessment section and the summary page.

Item	ELIAT location	Result calculated from	Originator if known	Source	Copyright Notices as of 10/09/2014
The Alcohol Use Disorders Identification Test (Audit-C)	Medical/ Surgical History	Questionnaire only	WHO	<a href="http://www.patient.co.uk/doctor/alcohol-use-disorders-identification-test-audit">http://www.patient.co.uk/doctor/alcohol-use-disorders-identification-test-audit</a>	
Chronic Obstructive Pulmonary Disease Assessment Test (CAT)	Physical needs Cardiovascular	Questionnaire only		<a href="http://catestonline.org/english/indexEN.htm">http://catestonline.org/english/indexEN.htm</a>	© 2009 GlaxoSmithKline
New York Heart Failure Association (NYHA) Classification	Physical needs Cardiovascular	Questionnaire only	New York Heart Association	<a href="http://my.americanheart.org/professional/StatementsGuidelines/ByPublicationDate/PreviousYears/Classification-of-Functional-Capacity-and-Objective-Assessment_UCM_423811_Article.jsp">http://my.americanheart.org/professional/StatementsGuidelines/ByPublicationDate/PreviousYears/Classification-of-Functional-Capacity-and-Objective-Assessment_UCM_423811_Article.jsp</a>	
Asthma Control Test (ACT)	Physical needs Respiratory	Questionnaire only		<a href="http://www.asthma.org.uk/Sites/healthcare-professionals/pages/asthma-control-test">http://www.asthma.org.uk/Sites/healthcare-professionals/pages/asthma-control-test</a>	© 2002, by QualityMetric Incorporated

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Medical Research Council (MRC) dyspnoea scale	Physical needs Respiratory	Questionnaire only	Medical Research Council	<a href="http://www.patient.co.uk/doctor/breathlessness">http://www.patient.co.uk/doctor/breathlessness</a>	
Leeds Assessment of Neuropathic Symptoms and Signs (LANSS)	Physical needs Neurological	Questionnaire only	Bennett, M.	<a href="http://www.meduniwien.ac.at/phd-iai/fileadmin/ISMED/Literaturhinweise/Bennett_LANSS_Pain_2001_92.pdf">http://www.meduniwien.ac.at/phd-iai/fileadmin/ISMED/Literaturhinweise/Bennett_LANSS_Pain_2001_92.pdf</a>	Published: Bennett, M. (2001). "The LANSS Pain Scale:" Pain 92(1-2): 147-157.
Brief Pain Inventory (BPI)	Physical needs Musculoskeletal, Neurological	Questionnaire only	Cleeland, C.S.	<a href="http://www.mdanderson.org/education-and-research/departments-programs-and-labs/departments-and-divisions/symptom-research/symptom-assessment-tools/brief-pain-inventory.html">http://www.mdanderson.org/education-and-research/departments-programs-and-labs/departments-and-divisions/symptom-research/symptom-assessment-tools/brief-pain-inventory.html</a>	The BPI may not be used or reproduced without permission from Charles S. Cleeland, PhD, or his designee. Fees for use may apply.
Abbey pain scale	Physical needs Musculoskeletal	Questionnaire only	Abbey et al	<a href="http://www.apsoc.org.au/PDF/Publications/4_Abbey_Pain_Scale.pdf">http://www.apsoc.org.au/PDF/Publications/4_Abbey_Pain_Scale.pdf</a>	Abbey, J; De Bellis, A; Piller, N; Esterman, A; Giles, L; Parker, D and Lowcay, B. Funded by the JH & JD Gunn Medical Research Foundation 1998 - 2002 (This document may be reproduced with this acknowledgment retained)
Modified Rankin Scale (mRS)	Physical needs Neurological	Questionnaire only	Rankin, J	<a href="http://www.strokecenter.org/wp-content/uploads/2011/08/modified_rankin.pdf">http://www.strokecenter.org/wp-content/uploads/2011/08/modified_rankin.pdf</a>	
The General Practitioner Assessment of Cognition (GPCOG)	Physical needs	Questionnaire only	Brody et al	<a href="http://www.gpcog.com.au/info.php">http://www.gpcog.com.au/info.php</a>	© The University of New South Wales as represented by the Dementia Collaborative Research Centre - Assessment and Better Care (2009)

Item	ELIAT location	Result calculated from	Originator if known	Source	Copyright Notices as of 10/09/2014
Six item Cognitive Impairment Test (6CIT)	Physical needs	Questionnaire only	Brooke and Bullock	<a href="http://www.patient.co.uk/doctor/six-item-cognitive-impairment-test-6cit">http://www.patient.co.uk/doctor/six-item-cognitive-impairment-test-6cit</a>	The Kingshill Research Centre, Swindon, UK owns the copyright but allows free usage to health care professionals
DemTect screening test	Physical needs	Questionnaire only	Kalbe et al	<a href="http://www.ncbi.nlm.nih.gov/pubmed/14758579">http://www.ncbi.nlm.nih.gov/pubmed/14758579</a> (article only)	
Psychological Health Questionnaire-9 (PHQ-9)	Psychological needs	Questionnaire only	Spitzer et al	<a href="http://www.patient.co.uk/doctor/patient-health-questionnaire-phq-9">http://www.patient.co.uk/doctor/patient-health-questionnaire-phq-9</a>	No permission is required to reproduce, translate, display or distribute the PHQ-9.
Abbreviated Wimbledon Self Report Scale	Psychological needs	Questionnaire only	Coughlan, A.K.	<a href="http://clahrc-gm.nihr.ac.uk/cms/wp-content/uploads/GM-SAT_abbreviated-wimbledon.pdf">http://clahrc-gm.nihr.ac.uk/cms/wp-content/uploads/GM-SAT_abbreviated-wimbledon.pdf</a>	
Hospital Anxiety and Depression (HAD) Scale	Psychological needs	Questionnaire only	Zigmond and Smith	<a href="http://www.gl-assessment.co.uk/products/hospital-anxiety-and-depression-scale-0">http://www.gl-assessment.co.uk/products/hospital-anxiety-and-depression-scale-0</a>	Licensed to GL Assessment
General Anxiety Depression-7 (GAD-7)	Psychological needs	Questionnaire only	Spitzer et al	<a href="http://www.patient.co.uk/doctor/generalised-anxiety-disorder-assessment-gad-7">http://www.patient.co.uk/doctor/generalised-anxiety-disorder-assessment-gad-7</a>	© Pfizer Inc. all rights reserved
Medication Adherence Report Scale (MARS)	Adherence	Questionnaire only	Mahler et al	<a href="http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2009.01169.x/pdf">http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2753.2009.01169.x/pdf</a> (article)	
Patient Enablement Instrument (PEI)	Patient Enablement	Questionnaire only	Howie et al	<a href="http://www.docstoc.com/docs/35110706/HOWIE-PATIENT-ENABLEMENT-INSTRUMENT">http://www.docstoc.com/docs/35110706/HOWIE-PATIENT-ENABLEMENT-INSTRUMENT</a>	

## Risk Assessment Tools

Selecting specific items that are used to generate a ratified tool trigger the calculation. Items may span several pages but the result and interpretation appear in the Risk assessment section on the most appropriate page and the summary page.

Item	ELIAT location	Result calculated from	Originator if known	Source	Copyright Notices as of 10/09/2014
CHA2DS2-VASc Score	Cardiovascular	Diagnoses, age and gender	Lip et al	<a href="http://www.mdcalc.com/cha2ds2-vasc-score-for-atrial-fibrillation-stroke-risk/">http://www.mdcalc.com/cha2ds2-vasc-score-for-atrial-fibrillation-stroke-risk/</a>	MDCalc© 2014. All Rights Reserved
Malnutrition Universal Screening Tool (MUST)	Endocrine and Metabolic Tissue Viability	BMI, weight loss, nutritional intake	MAG the Malnutrition Advisory Group, a Standing Committee of BAPEN	<a href="http://www.bapen.org.uk/pdfs/must/must_full.pdf">http://www.bapen.org.uk/pdfs/must/must_full.pdf</a>	© BAPEN 2003 This document may be photocopied for dissemination and training purposes as long as the source is credited and recognised. If used for commercial gain a licence fee may be required
Waterlow Pressure Ulcer Prevention Treatment score	Tissue Viability	Gender, BMI, skin type, weight loss, nutritional intake, continence, mobility, diagnoses		<a href="http://www.judy-waterlow.co.uk/downloads/Waterlow%20Score%20Card-front.pdf">http://www.judy-waterlow.co.uk/downloads/Waterlow%20Score%20Card-front.pdf</a>	
Moving and Handling Score	Tissue viability, ADL	Weight, mobility, mental state, environment	Trafford community services		
Falls Risk Assessment Tool (FRAT)	Neurological	Fall history, medications, diagnoses, balance, rising from sitting	Queen Mary College, University of London	<a href="http://www.bhps.org.uk/falls/documents/FRATtool.pdf">http://www.bhps.org.uk/falls/documents/FRATtool.pdf</a>	

## Risk assessment indicators

Selecting specific items that are known risk factors trigger the calculation. Items may span several pages but the risk appears on most appropriate page(s) and the summary page.

Item	ELIAT location	Result calculated from	Evidence	Source
Target BP	Cardiovascular	Diagnoses, systolic and diastolic BP	NICE	National Institute for Health and Care Excellence, 2011, CG127, 2008, CG73, 2010, CG15, 2010, CG87 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
CKD risk	Cardiovascular	eGFR	NICE	National Institute for Health and Care Excellence, , 2008, CG73 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
CKD stage	Cardiovascular	Diagnoses, eGFR	NICE	National Institute for Health and Care Excellence, 2008, CG73 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Body Mass Index (BMI)	Endocrine and Metabolic	Height, weight		
Diabetes risk	Endocrine and Metabolic	HbA1c, FPC, OGTT, BMI, symptoms	NICE, WHO	National Institute for Health and Care Excellence. 2010, CG87 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Diabetes key tests	Endocrine and Metabolic	BP, Weight, smoking, foot check, retinal imaging, urinary albumin, serum creatinine, cholesterol	NICE	National Institute for Health and Care Excellence. 2010, CG15, CG87 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Obesity risk	Endocrine and Metabolic	BMI, waist circumference	NICE	National Institute for Health and Care Excellence. 2006, CG43 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>

## Risk assessment indicators continued

Item	ELIAT location	Result calculated from	Evidence	Source
Obesity risk	Endocrine and Metabolic	BMI, waist circumference	NICE	National Institute for Health and Care Excellence. 2006, CG43 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Heart Failure risk	Cardiovascular	SOB,	NICE	National Institute for Health and Care Excellence. 2010, CG108 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Heart failure exacerbation	Cardiovascular	SOB, ankle oedema	NICE	National Institute for Health and Care Excellence. 2010, CG108 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Hyperthyroidism	Endocrine and Metabolic	Symptom review	NICE	<a href="http://cks.nice.org.uk/hyperthyroidism#!diagnosis">http://cks.nice.org.uk/hyperthyroidism#!diagnosis</a>
Hypothyroidism	Endocrine and Metabolic	Symptom review	NICE	<a href="http://cks.nice.org.uk/hypothyroidism#!diagnosis">http://cks.nice.org.uk/hypothyroidism#!diagnosis</a>
MI Risk	Cardiovascular	Framingham risk calculator		<a href="https://www.cvdriskchecksecure.com/FraminghamRiskScore.aspx">https://www.cvdriskchecksecure.com/FraminghamRiskScore.aspx</a>
Pelvic Floor weakness risk	Urological	Symptom review	NICE	National Institute for Health and Care Excellence. 2006, CG171 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
UTI	Urological	Symptom review	NICE	National Institute for Health and Care Excellence. 2006, CG171 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Unstable bladder risk	Urological	Symptom review	NICE	National Institute for Health and Care Excellence. 2006, CG171 <a href="http://www.nice.org.uk/Guidance">http://www.nice.org.uk/Guidance</a>
Activities of daily living level of need	ADL	Needs weighted and combined to form a scale to give low medium and high level of need	Created for the ELIAT	
Activities of daily living level of need	Social needs	Needs combined to form a scale to give low medium and high level of need	Created for the ELIAT	