

Electronic Long-term Conditions Integrated Review Template (GM-ELIRT)

User Guide: Vision

Introduction

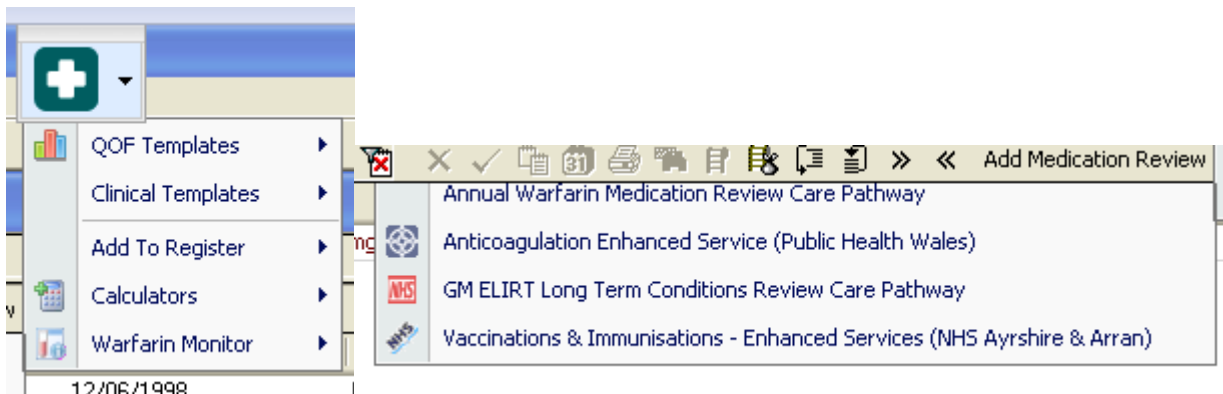
This guide is designed to familiarise users with the Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT) to provide a smooth transition from single disease to integrated reviews.

The GM-ELIRT is designed for reviewing patients with multimorbidity (two or more long-term conditions (LTCs)). For patients with one long-term condition, a single disease template may be simpler to use, however; this depends on preference. This guide has been written assuming that you have prior experience of conducting a review with a Vision review template. If you have never used Vision before, please refer to the user manual or contact an INPS Vision trainer for baseline training before attempting a review with the GM-ELIRT.

The GM-ELIRT can be used by all the primary care team for reviewing patients' LTCs, monitoring care, scheduling appointments and clinical audit, providing a seamless, integrated review process for patients with multimorbidity.

1 Finding the Template

- a Open the patient's record in Consultation Manager, click on the down pointing arrow on the V+ toolbar, select Clinical Templates and search for the template named 'GM-ELIRT'.



- b On opening this template the first page displayed will be 'Long term Conditions review' (Figure 1).

Figure 1: Front page

3b. Clinical Assessment COPD		3c. Clinical Assessment Diabetes		3d. Clinical Assessment Heart Failure	
3e. Clinical Assessment Hypertension		3f. Clinical Assessment PAD		3g. Clinical Assessment Rheumatoid Arth & Osteop	
4. Blood & Urine Tests					
5. Lifestyle		6. Medication		7. Comorbid risk assess	
8. Investig		9. Educational Needs		10. Social Needs	
11. Vaccs		12. Refs\nder care of\llow up			
History		1. Long-term conditions review		2. Symptoms	
3. Generic Clinical Assessment		3a. Clinical Assessment Asthma			

MANCHESTER
The University of Manchester

**Greater Manchester Electronic Long-term Conditions
Integrated Review Template
(GM-ELIRT)**

NHS
National Institute for
Health Research

Collaboration for Leadership in
Applied Health Research and Care
(CLAHRC) Greater Manchester

Long- term conditions review

LTC Annual Reviews	No Data Recorded	▼	📖	🔍
LTC 6 month reviews	No Data Recorded	▼	📖	🔍
LTC interim follow ups	No Data Recorded	▼	📖	🔍

Long-term conditions type

CKD Stage	No Data Recorded	▼	📖	🔍
Diabetes type	No Data Recorded	▼	📖	🔍
Heart failure type	No Data Recorded	▼	📖	🔍

Exceptions reporting

Exceptions reporting	No Data Recorded	▼	📖	🔍
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2 Selecting the long-term conditions that are due for review

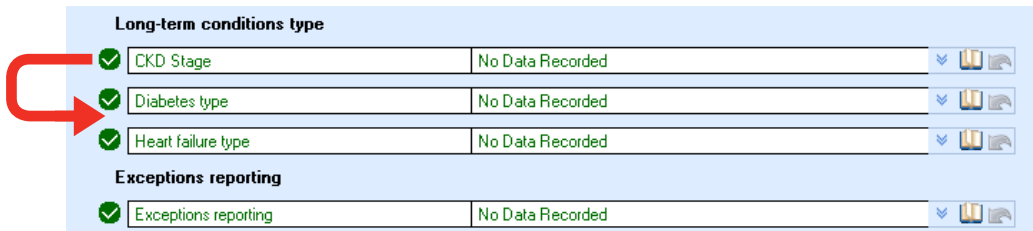
- a Select the patient's LTCs that you plan to review. Choose the appropriate box depending on the type of review; annual, six monthly or interim follow-up. Click on the open book icon at the end of each row to reveal the contents (Figure 2a).
- b Select as many LTCs as required; the majority of boxes within the GM-ELIRT are multi-select.
- c Read Codes are clearly visible and can be checked against the QOF to ensure that the correct ones are being used.

Figure 2a: List of conditions appears when drop down box opened

Apply	Priority	Episode Type	Event Date	Read Code	Description	Value	Comments
<input type="checkbox"/>			10/11/2014	66BB.	Hypothyroidism annual review		
<input type="checkbox"/>			10/11/2014	6A9.	Atrial fibrillat annual review		
<input type="checkbox"/>			10/11/2014	6AA.	Chronic kid dis annual review		
<input type="checkbox"/>			10/11/2014	66YM.	COPD annual review		
<input type="checkbox"/>			10/11/2014	662e.	Stroke/CVA annual review		
<input type="checkbox"/>			10/11/2014	66YJ.	Asthma annual review		
<input type="checkbox"/>			10/11/2014	6AB.	Dementia annual review		
<input type="checkbox"/>			10/11/2014	6A2.	Corony heart dis annual review		
<input type="checkbox"/>			10/11/2014	662W.	Heart failure annual review		
<input type="checkbox"/>			10/11/2014	662d.	Hypertension annual review		
<input type="checkbox"/>			10/11/2014	66HB0	Rheumatoid arthritis annul rev		
<input type="checkbox"/>			10/11/2014	66AS.	Diabetic annual review		
<input type="checkbox"/>			10/11/2014	9H90.	Depression annual review		

- d For LTCs that require more detail regarding the diagnosis, click on the appropriate box to complete CKD stage, diabetes or heart failure type.
- e Use the exception reporting drop down box if you are unable to complete a review (Figure 2b).

Figure 2b: LTC type and exception reporting drop down boxes



Long-term conditions type		
✓	CKD Stage	No Data Recorded
✓	Diabetes type	No Data Recorded
✓	Heart failure type	No Data Recorded
Exceptions reporting		
✓	Exceptions reporting	No Data Recorded

The template offers a patient-centred LTC review. The GM-ELIRT is organised by generic subject. These are found at the top of the screen and include:

- Symptoms.
- Medication.
- Social needs.
- Clinical assessment.
- Comorbid Risk Assessment.
- Vaccinations.
- Bloods and urine tests.
- Investigations.
- Referral, Under care, Follow-up.
- Lifestyle.
- Educational needs.

Each section above appears on a separate page, arranged in order to guide you through the tool. For a more detailed assessment of specific diseases, the clinical assessment pages are arranged by disease. More detail will now be provided.

3 Comorbidity screening

- a Select multiple symptoms from the drop down boxes (Figure 3).
- b Symptoms that overlap different conditions can be found in more than one drop down box.
- c This patient centred approach to the symptom review may identify troubling symptoms that the patient has not mentioned during previous appointments.
- d If review by a GP is required this can be recorded.
- e Additional information can be provided as free text by clicking into the comments box.

Figure 3: Comorbidity screening page showing some contents of the cardiovascular box

Comorbidity screening

System	Status
Cardiovascular	No Data Recorded
Cognitive	No Data Recorded
Endocrine and metabolic	No Data Recorded
Gastro-intestinal	No Data Recorded
Musculoskeletal	No Data Recorded
Neurological	No Data Recorded
Psychological	No Data Recorded
Respiratory	No Data Recorded
Urological	No Data Recorded
General	No Data Recorded
Refer to G.P.	No Data Recorded

Apply	Priority	Episode Type	Event Date	Read Code	Description	Value	Comments
<input type="checkbox"/>			09/12/2014	1821.	No cardiovascular symptom		
<input type="checkbox"/>			09/12/2014	1821.	Chest pain not p		
<input type="checkbox"/>			09/12/2014	182.	Chest pain		
<input type="checkbox"/>			09/12/2014	182A.	Chest pain on exertion		
<input type="checkbox"/>			09/12/2014	1825.	Pleuritic pain		
<input type="checkbox"/>			09/12/2014	181.	Palpitations		
<input type="checkbox"/>			09/12/2014	1731.	No breathlessness		
<input type="checkbox"/>			09/12/2014	1733.	Breathless - mild exertion		

4 Generic Clinical Assessment

- a Click on the Generic Clinical Assessment tab to complete (Figure 4).
- b Enter the patient's target systolic and diastolic BP according to NICE recommendations (see clinical evidence pages in the GM-ELIRT Overview), if the patient is diabetic then prompts will appear advising the clinician if the BP is outside the target range.
- c Click on graph icon to reveal previous clinical readings.

Figure 4: Generic clinical assessment page

3b. Clinical Assessment COPD 3c. Clinical Assessment Diabetes 3d. Clinical Assessment Heart Failure

3e. Clinical Assessment Hypertension 3f. Clinical Assessment PAD 3g. Clinical Assessment Rheumatoid Arth & Osteop 4. Blood & Urine Tests

5. Lifestyle 6. Medication 7. Comorbid risk assess 8. Investig 9. Educational Needs 10. Social Needs 11. Vaccs 12. Refs/under care of/follow up

History 1. Long-term conditions review 2. Symptoms 3. Generic Clinical Assessment 3a. Clinical Assessment Asthma

Generic Clinical Assessment

BP (systolic/diastolic) reading	No Data Recorded	▼ 📖 📈
Target systolic/diastolic BP	No Data Recorded	▼ 📖 📈
Pulse rate	No Data Recorded	▼ 📖 📈
Pulse oximetry	No Data Recorded	▼ 📖 📈
Pulse rhythm	No Data Recorded	▼ 📖 📈
Height	No Data Recorded	▼ 📖 📈
Weight	No Data Recorded	▼ 📖 📈
BMI assessment calculator	No Data Recorded	▼ 📊 📖 📈
Waist	No Data Recorded	▼ 📖 📈

For more detailed assessment of conditions, please click on the relevant tab heading

5 Specific Clinical Assessment

- a For more specific clinical assessment, click to open disease specific clinical assessment pages. Asthma is shown in figure 5a:
 - i Complete the RCP 3 questions for asthma.
 - ii Click on the link provided to complete the Asthma Control Test (ACT).

Figure 5a: Generic clinical assessment page

3b. Clinical Assessment COPD			3c. Clinical Assessment Diabetes			3d. Clinical Assessment Heart Failure		
3e. Clinical Assessment Hypertension			3f. Clinical Assessment PAD			3g. Clinical Assessment Rheumatoid Arth & Osteop		
4. Blood & Urine Tests			5. Lifestyle			6. Medication		
7. Comorbid risk assess			8. Investig			9. Educational Needs		
10. Social Needs			11. Vaccs			12. Refs/under care of/follow up		
History			1. Long-term conditions review			2. Symptoms		
3. Generic Clinical Assessment			3a. Clinical Assessment Asthma					
<div> </div>								
Asthma								
Night time/Daytime symptoms			No Data Recorded			▼		
Activities/exercise			No Data Recorded			▼		
Click here to open the asthma control test website								
Asthma control test score/steps			No Data Recorded			▼		
Asthma Assessment								
Peak flow			No Data Recorded			▼		
Exhaled nitric oxide test			No Data Recorded			▼		
Inhaler technique/frequency			No Data Recorded			▼		
Spacer device in use			No Data Recorded			▼		
Oral steroids used since last appointment			No Data Recorded			▼		
Emergency asthma admission since last appointment			No Data Recorded			▼		
Home nebuliser			No Data Recorded			▼		

5 Specific Clinical Assessment (continued)

b COPD

- iii Click on links to complete MRC breathlessness score and COPD assessment test (CAT).

Figure 5b: COPD clinical assessment page

The screenshot displays the 'Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT)' interface. The top navigation bar includes tabs for various clinical assessments: 3e. Clinical Assessment Hypertension, 3f. Clinical Assessment PAD, 3g. Clinical Assessment Rheumatoid Arth & Osteop, 4. Blood & Urine Tests, 5. Lifestyle, 6. Medication, 7. Comorbid risk assess, 8. Investig, 9. Educational Needs, 10. Social Needs, 11. Vaccs, 12. Refs/under care of/follow up, History, 1. Long-term conditions review, 2. Symptoms, 3. Generic Clinical Assessment, 3a. Clinical Assessment Asthma, 3b. Clinical Assessment COPD (selected), 3c. Clinical Assessment Diabetes, and 3d. Clinical Assessment Heart Failure.

The main content area is titled 'COPD' and features a table with the following fields and values:

Severity	No Data Recorded	▼ 📖 🔄
Sputum	No Data Recorded	▼ 📖 🔄
MRC Breathlessness scale	No Data Recorded	▼ 📖 🔄
Click here to open MRC Breathlessness website		
COPD assessment test	No Data Recorded	▼ 📖 🔄
Click here to open COPD assesement test		
Inhaler technique	No Data Recorded	▼ 📖 🔄
FEV1/FVC	No Data Recorded	▼ 📖 🔄
Number of COPD exacerbations in past year	No Data Recorded	▼ 📖 🔄
COPD medication review and maximum tolerat...	No Data Recorded	▼ 📖 🔄
COPD Home nebuliser	No Data Recorded	▼ 📖 🔄
Oxygenator therapy	No Data Recorded	▼ 📖 🔄

5 Specific Clinical Assessment (continued)

c Diabetes

- i Diabetes assessment is shown in Figure 5c.

Figure 5c: Diabetes clinical assessment page

Diabetes Assessment	
Last hypo attack	No Data Recorded
Amputation	No Data Recorded
Observation of injection sites	No Data Recorded
Eye Exam - expand	No Data Recorded
Foot Exam - expand	No Data Recorded
Diabetic medication review and insulin passport	No Data Recorded
Retinopathy	No Data Recorded
Cataracts	No Data Recorded
Partially sighted	No Data Recorded
Tactile sensation	No Data Recorded
Vibration sense	No Data Recorded
Peripheral pulses	No Data Recorded

d Heart Failure

- i Click on link to complete NYHA (Figure 5d).

Figure 5d: Heart failure clinical assessment page

Heart Failure Assessment	
NYHA classification	No Data Recorded

[Click here to open NYHA classification](#)

Apply	Priority	Episode Type	Event Date	Read Code	Description	Value	Comments
<input type="checkbox"/>			09/12/2014	662f.	NYHA classification - class I		
<input type="checkbox"/>			09/12/2014	662g.	NYHA classification - class II		
<input type="checkbox"/>			09/12/2014	662h.	NYHA classification- class III		
<input type="checkbox"/>			09/12/2014	662i.	NYHA classification - class IV		

5 Specific Clinical Assessment (continued)

e Hypertension.

- i Figure 5e shows hypertension assessment.
- ii Patients BP home monitoring readings can be recorded.

Figure 5e: Hypertension clinical assessment page

Hypertension Assessment	
Avg home systolic/diastolic	No Data Recorded
Ambulatory systolic/diastolic	No Data Recorded
Hypertension medication review	No Data Recorded

f Peripheral Arterial Disease.

- i Figure 5f shows peripheral arterial disease assessment.

Figure 5f: Peripheral Arterial disease clinical assessment page

Peripheral Arterial Disease Assessment	
ABPI	No Data Recorded
S/TIA long term dual antiplatelet	No Data Recorded


5 Specific Clinical Assessment (continued)

g Rheumatoid Arthritis.


- i Figure 5g shows rheumatoid arthritis assessment.

Figure 5g: Rheumatoid arthritis clinical assessment

5. Lifestyle	6. Medication	7. Comorbid risk assess	8. Investig	9. Educational Needs	10. Social Needs	11. Vaccs	12. Refs/under care of/follow up
History	1. Long-term conditions review	2. Symptoms	3. Generic Clinical Assessment	3a. Clinical Assessment Asthma			
3b. Clinical Assessment COPD	3c. Clinical Assessment Diabetes	3d. Clinical Assessment Heart Failure					
3e. Clinical Assessment Hypertension	3f. Clinical Assessment PAD	3g. Clinical Assessment Rheumatoid Arth & Osteop	4. Blood & Urine Tests				



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Rheumatoid Arthritis Assessment

[Click here to open DAS28 website](#)

DAS disease activity score	No Data Recorded	⌵ 📖 🔄
Disease modifying antirheumatic drug therapy i...	No Data Recorded	⌵ 📖 🔄
Bone sparing drug treatment	No Data Recorded	⌵ 📖 🔄

6 Specific Clinical Assessment

- a Check blood results during the review within the template.
- b Check and add urine results during the review.
- c Results can be found by type and are listed under the following profiles as shown in the example in Figure 6:
 - i Urine.
 - ii Full blood count.
 - iii Glycaemic.
 - iv Lipid profile.
 - v Renal.
 - vi Liver.
 - vii Bone.
 - viii Thyroid function.
 - ix Autoimmune.
 - x Folate.
- d Record exceptions as appropriate.

Figure 6: Blood and urine tests

The screenshot displays a clinical assessment template with a navigation bar at the top. The 'History' tab is selected, showing a list of assessment areas. The '4. Blood & Urine Tests' section is highlighted, showing a table of test results. Below the table is an 'Exception Reporting' section.

Test Type	Result	Action
Urine	No Data Recorded	View, Add, Print
FBC	No Data Recorded	View, Add, Print
Glycaemic profile	No Data Recorded	View, Add, Print
Lipid profile	No Data Recorded	View, Add, Print
Renal profile	15/08/2014: GFR calculated abbreviated MD... 48	View, Add, Print
Liver profile	No Data Recorded	View, Add, Print
Bone profile	No Data Recorded	View, Add, Print
TFT's (please remember to check TFTs if patie...	No Data Recorded	View, Add, Print
Autoimmune tests	No Data Recorded	View, Add, Print
Folate tests	No Data Recorded	View, Add, Print

Exception Reporting


Blood test declined	No Data Recorded	View, Add, Print
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7 Lifestyle


- a Complete lifestyle review as per single disease templates and record findings under the headings as shown in Figure 7:
 - i Smoking.
 - ii Alcohol consumption.
 - iii Exercise.
 - iv Diet.
- b Click on link to the Pack Years Calculator and enter results in the box provided.
- c Click on link to the Audit C and enter results in the box provided.
- d Click on link to the GPPAQ and enter results in the box provided.

Figure 7: Lifestyle factors

History	1. Long-term conditions review	2. Symptoms	3. Generic Clinical Assessment	3a. Clinical Assessment Asthma
	3b. Clinical Assessment COPD	3c. Clinical Assessment Diabetes	3d. Clinical Assessment Heart Failure	
	3e. Clinical Assessment Hypertension	3f. Clinical Assessment PAD	3g. Clinical Assessment Rheumatoid Arth & Osteop	4. Blood & Urine Tests
5. Lifestyle	6. Medication	7. Comorbid risk assess	8. Investig	9. Educational Needs
			10. Social Needs	11. Vaccs
				12. Refs/under care of/follow up



Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT)



NHS National Institute for Health Research
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Lifestyle

Smoking - expand	No Data Recorded	⌵ 📖 🖨
Alcohol - expand	No Data Recorded	⌵ 📖 🖨
Exercise - expand	No Data Recorded	⌵ 📖 🖨
Diet - expand	No Data Recorded	⌵ 📖 🖨

Websites

[Pack years calculator website](#)
[Click here to open Audit C website](#)
[Click here to open the GPPAQ questionnaire website](#)

Pack years	No Data Recorded	⌵ 📅 📖 🖨
Audit C	No Data Recorded	⌵ 📖 🖨
GPPAQ	No Data Recorded	⌵ 🌿 📖 🖨

8 Medication review and adherence to therapy

- a Complete generic section to record whether medication review was completed or declined.
- b Monitor adherence status and add additional information if adherence requires further monitoring (Figure 8).
- c Then continue to review prescribed medication. Further prescribing guidance is provided on the clinical evidence pages in the GM-ELIRT Overview
- d For patients taking the anticoagulant therapy 'warfarin' the international normalised ratio (INR) and Time in Therapeutic range (TTR) for INR can be recorded.

Figure 8: Medication review

History	1. Long-term conditions review	2. Symptoms	3. Generic Clinical Assessment	3a. Clinical Assessment Asthma
				3b. Clinical Assessment COPD
				3c. Clinical Assessment Diabetes
				3d. Clinical Assessment Heart Failure
				3e. Clinical Assessment Hypertension
				3f. Clinical Assessment PAD
				3g. Clinical Assessment Rheumatoid Arth & Osteop
				4. Blood & Urine Tests
				5. Lifestyle
				6. Medication
				7. Comorbid risk assess
				8. Investig
				9. Educational Needs
				10. Social Needs
				11. Vaccs
				12. Refs/under care of/follow up

Medication		
Medication review/adherence	No Data Recorded	⌵ 📖 🐾
ACEI or ARBs	No Data Recorded	⌵ 📖 🐾
Aldosterone antagonist	No Data Recorded	⌵ 📖 🐾
Anticoagulant	No Data Recorded	⌵ 📖 🐾
Antiplatelet	No Data Recorded	⌵ 📖 🐾
Aspirin	No Data Recorded	⌵ 📖 🐾
Beta-blockers	No Data Recorded	⌵ 📖 🐾
Calcium - channel blockers	No Data Recorded	⌵ 📖 🐾
CHD medication review	No Data Recorded	⌵ 📖 🐾
Digoxin prophylaxis	No Data Recorded	⌵ 📖 🐾
Diuretic	No Data Recorded	⌵ 📖 🐾
INR and INR % TTR	No Data Recorded	⌵ 📖 🐾
Ivabradine	No Data Recorded	⌵ 📖 🐾
Statin	No Data Recorded	⌵ 📖 🐾

9 Comorbid Risk Assessment

- a Select from the alphabetically list to screen for the following as shown in Figure 9:
- i Cognitive function
 - ii Coronary artery disease
 - iii Depression and anxiety
 - iv Diabetes
 - v Falls
 - vi Fractures
 - vii Stroke
- b Click on the link to open risk questionnaire.
- c Enter result in box provided.

Figure 9: Comorbid risk assessment page

The screenshot displays a web interface for comorbid risk assessment. At the top, there is a navigation bar with tabs for different assessment areas: History, 1. Long-term conditions review, 2. Symptoms, 3. Generic Clinical Assessment, 3a. Clinical Assessment Asthma, 3b. Clinical Assessment COPD, 3c. Clinical Assessment Diabetes, 3d. Clinical Assessment Heart Failure, 3e. Clinical Assessment Hypertension, 3f. Clinical Assessment PAD, 3g. Clinical Assessment Rheumatoid Arth & Osteop, 4. Blood & Urine Tests, 5. Lifestyle, 6. Medication, 7. Comorbid risk assess, 8. Investig, 9. Educational Needs, 10. Social Needs, 11. Vaccs, and 12. Refs/under care of/follow up. The '7. Comorbid risk assess' tab is currently selected.

The main content area is titled 'Comorbid risk assessment' and is divided into several sections:


- Cognitive Function**: Includes a table with 'GPCOG/Cognitive impairment' and 'No Data Recorded'. Below this are links for 'GPCOG website' and '6CIT website'.
- Coronary Artery Disease**: Includes a table with 'QRisk 10y CVD risk Calculator' and 'No Data Recorded', and another table with 'QRISK2 exception reporting' and 'No Data Recorded'. Below these are links for 'Qrisk website' and 'Framingham risk score website'.
- Depression**: Includes a link for 'Generalised anxiety disorder website'.
- Diabetes**: Includes a table with 'Diabetes screening' and 'No Data Recorded', and a link for 'QDiabetes risk score website'.
- Falls and Fractures**: Includes a table with 'Falls risk screening' and 'No Data Recorded', and another table with 'WHO FRAX 10y osteoporotic fracture probabili...' and 'No Data Recorded'. Below these are links for 'FRAT assessment website' and 'HAS-BLED score'.
- Stroke**: Includes a table with 'CHADS2 Calculator' and 'No Data Recorded', and another table with 'CHADS2DVASC' and 'No Data Recorded'. Below these are links for 'CHADS2 risk score website' and 'CHA2DS2 - VASc risk score website'.

10 Investigations


- a View previous investigation results (Figure 10).
- b Enter or edit dates for scheduled appointments following discussion with the patient about all needs requiring further investigation, not just one as per single disease templates. This may help the patient to understand how some LTCs are linked.
- c This page could be extended to include further investigations

Figure 10: Investigations page

History	1. Long-term conditions review	2. Symptoms	3. Generic Clinical Assessment	3a. Clinical Assessment Asthma
	3b. Clinical Assessment COPD	3c. Clinical Assessment Diabetes	3d. Clinical Assessment Heart Failure	
	3e. Clinical Assessment Hypertension	3f. Clinical Assessment PAD	3g. Clinical Assessment Rheumatoid Arth & Osteop	4. Blood & Urine Tests
5. Lifestyle	6. Medication	7. Comorbid risk assess	8. Investig	9. Educational Needs
			10. Social Needs	11. Vaccs
				12. Refs/under care of/follow up



Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT)



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Investigations

ECG	No Data Recorded	▼	📖	🔄
Standard chest xray	No Data Recorded	▼	📖	🔄
Coronary Artery Disease				
Cardiovascular angiography	No Data Recorded	▼	📖	🔄
Diabetes				
Diabetic retinopathy screening	No Data Recorded	▼	📖	🔄
Heart Failure				
BNP	No Data Recorded	▼	📖	🔄
Echo	No Data Recorded	▼	📖	🔄
Ejection fraction	No Data Recorded	▼	📖	🔄
Osteoporosis				
DXA scan	No Data Recorded	▼	📖	🔄

11 Education

- a Record verbal education, leaflets, booklets given where read codes are available (Figure 11).
- b Some of the advice may overlap different LTCs, but holistic education covering all LTCs may allow the patient to discuss anxieties regarding conflicting advice provided by different HCPs and services managing his/her care.

Figure 11: Education page

History 1. Long-term conditions review 2. Symptoms 3. Generic Clinical Assessment 3a. Clinical Assessment Asthma

3b. Clinical Assessment COPD 3c. Clinical Assessment Diabetes 3d. Clinical Assessment Heart Failure

3e. Clinical Assessment Hypertension 3f. Clinical Assessment PAD 3g. Clinical Assessment Rheumatoid Arth & Osteop 4. Blood & Urine Tests

5. Lifestyle 6. Medication 7. Comorbid risk assess 8. Investig 9. Educational Needs 10. Social Needs 11. Vaccs 12. Refs/under care off follow up

Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT)

National Institute for Health Research

Education & Leaflets

Asthma

Asthma management plan given/inhaler techni...	No Data Recorded	⌵ 📖 🔄
Asthma rescue pack given/ treatment not indic...	No Data Recorded	⌵ 📖 🔄

Asthma leaflet

COPD

Issue of COPD rescue pack	No Data Recorded	⌵ 📖 🔄
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COPD leaflet

Diabetes

Patient offered diabetes structured education p...	No Data Recorded	⌵ 📖 🔄
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Diabetes Type 1 leaflet

Diabetes Type 2 leaflet

Heart Failure

Heart failure education	No Data Recorded	⌵ 📖 🔄
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Heart Failure leaflet

Hypertension

Hypertension leaflet

PADS

Anticoagulation leaflet given	No Data Recorded	⌵ 📖 🔄
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Smoking advice leaflet

Low fat diet leaflet

Rheumatoid Arthritis & Osteoporosis

Rheumatoid Arthritis leaflet

Osteoporosis leaflet

12 Social Needs

- a Record whether social needs have been discussed during the review.
- b Select identified social needs from the multi-select drop down (Figure 12).
- c Add further information as free text in the associated comment box.

Figure 12: Social needs

The screenshot displays the 'Social Needs' section of the GM-ELIRT template. At the top, a navigation bar includes tabs for History, 1. Long-term conditions review, 2. Symptoms, 3. Generic Clinical Assessment, and 3a. Clinical Assessment Asthma. Below this, a grid of tabs for various clinical assessments (3b, 3c, 3d, 3e, 3f, 3g) and other sections (4. Blood & Urine Tests, 5. Lifestyle, 6. Medication, 7. Comorbid risk assess, 8. Investig, 9. Educational Needs, 10. Social Needs, 11. Vaccs, 12. Refs/under care off follow up) is visible. The 'Social Needs' tab is currently selected. The main content area features a header with logos for The University of Manchester, Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT), and the NHS National Institute for Health Research. Below the header, the 'Social Needs' section contains two rows of data entry fields. The first row is labeled 'Needs assessed' and the second 'Needs identified'. Both rows show 'No Data Recorded' in the adjacent field, with a dropdown menu and a refresh icon to the right of each field.

Social Needs	
Needs assessed	No Data Recorded
Needs identified	No Data Recorded

13 Vaccinations

- a Check that vaccinations associated with LTCs have been given.
- b Record exceptions (Figure 13).

Figure 13: Vaccinations

The screenshot shows the 'Vaccinations' section of the CLAHRC Greater Manchester system. The navigation bar at the top includes tabs for History, Long-term conditions review, Symptoms, Generic Clinical Assessment, and various Clinical Assessments. The 'Vaccs' tab is selected. Below the navigation bar, there are three rows of data for Shingles, Seasonal influenza, and Pneumococcal vaccinations, each with a status dropdown and a 'No Data Recorded' button. Below these are three sections for 'Seasonal Flu Vacc Given', 'Pneumococcal Vacc Given', and 'Shingles Vacc Given', each with a checkbox for the respective vaccination and a comments field.

Vaccination Type	Status	Comments
Shingles given\declined\contraindicated	No Data Recorded	
Seasonal influenza given \declined\consent\c...	No Data Recorded	
Pneumococcal given\declined\contraindicate...	No Data Recorded	
Seasonal Flu Vacc Given	<input type="checkbox"/> Seasonal influenza vaccination	
Pneumococcal Vacc Given	<input type="checkbox"/> Pneumococcal vaccination	
Shingles Vacc Given	<input type="checkbox"/> Herpes zoster vaccination	

14 Under care of, referral and follow-up

- a Check the health and social services already managing aspects of the patient's care.
- b Update record to add services involved in the patient's care that are not already listed.
- c Check referrals already made at previous appointments.
- d Add referrals discussed with the patient.
- e Review the number of referrals made for the patient. This may generate discussion regarding the practicalities of attending numerous appointments.
- f Check whether future review appointments have been scheduled (Figure 14).
- g Enter new appointment dates.
- h Amend dates due to cancellations.

Figure 14: Under care of and referral

The screenshot displays the GM-ELIRT interface. At the top, a navigation bar includes tabs for History, 1. Long-term conditions review, 2. Symptoms, 3. Generic Clinical Assessment, and 3a. Clinical Assessment Asthma. Below this, a grid of clinical assessment tabs is visible, including 3b. Clinical Assessment COPD, 3c. Clinical Assessment Diabetes, 3d. Clinical Assessment Heart Failure, 3e. Clinical Assessment Hypertension, 3f. Clinical Assessment PAD, 3g. Clinical Assessment Rheumatoid Arth & Osteop, 4. Blood & Urine Tests, 5. Lifestyle, 6. Medication, 7. Comorbid risk assess, 8. Investig, 9. Educational Needs, 10. Social Needs, 11. Vaccs, and 12. Refs/under care of/follow up.

The main content area is titled 'Under Care of & Referral' and contains two sections:

Under Care of & Referral

Under care of (please expand)	No Data Recorded	⌵ 📖 🖨
Referrals	No Data Recorded	⌵ 📖 🖨
Lifestyle	No Data Recorded	⌵ 📖 🖨

Follow up

Annual review	No Data Recorded	⌵ 📖 🖨
6 monthly review	No Data Recorded	⌵ 📖 🖨
Interim Follow up	No Data Recorded	⌵ 📖 🖨

The interface also features logos for The University of Manchester, Greater Manchester Electronic Long-term Conditions Integrated Review Template (GM-ELIRT), and the National Institute for Health Research (NIHR).

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