

## Scottish Cancer Taskforce National Cancer Quality Steering Group

# Cutaneous Melanoma Clinical Quality Performance Indicators Engagement Document

May 2018

### 1. National Cancer Quality Programme

Better Cancer: Ambition and Action (2016)<sup>1</sup> details a commitment to delivering the national cancer quality programme across NHSScotland, with a recognised need for national cancer QPIs to support a culture of continuous quality improvement. Addressing variation in the quality of cancer services is pivotal to delivering improvements in quality of care. This is best achieved if there is consensus and clear indicators for what good cancer care looks like.

Small sets of cancer specific outcome focussed, evidence based indicators are in place for 18 different tumour types. These are underpinned by patient experience QPIs that are applicable to all, irrespective of tumour type. These QPIs ensure that activity is focused on those areas that are most important in terms of improving survival and individual care experience whilst reducing variation and supporting the most effective and efficient delivery of care for people with cancer. QPIs are kept under regular review and are responsive to changes in clinical practice and emerging evidence.

A programme to review and update the QPIs in line with evolving evidence is in place as well as a robust mechanism by which additional QPIs will be developed over the coming years.

#### 1.1 Quality Assurance and Continuous Quality Improvement

The ultimate aim of the programme is to develop a framework, and foster a culture of, continuous quality improvement, whereby real time data is reviewed regularly at an individual Multi Disciplinary Team (MDT)/Unit level and findings actioned to deliver continual improvements in the quality of cancer care. This is underpinned and supported by a programme of regional and national comparative reporting and review.

NHS Boards are required to report against QPIs as part of a mandatory, publicly reported, programme at a national level. A rolling programme of reporting is in place, with approximately three national tumour specific reports published annually. National reports include comparative reporting of performance against QPIs at MDT/Unit level across NHSScotland, trend analysis and survival. This approach helps overcome existing issues relating to the reporting of small volumes in any one year.

In the intervening years tumour specific QPIs are monitored on an annual basis through established Regional Cancer Network and local governance processes, with analysed data submitted to Information Services Division (ISD) for inclusion in subsequent national reports. This approach ensures that timely action is taken in response to any issues that may be identified through comparative reporting and systematic review.

#### 2. Quality Performance Indicator Development Process

The QPI development process was designed to ensure that indicators are developed in an open, transparent and timely way. The development process can be found in appendix 1.

The Cutaneous Melanoma QPI Development Group was convened in February 2013, chaired by Mr Jim Docherty (Consultant Colorectal and General Surgeon). Membership of this group included clinical representatives drawn from the three Regional Cancer Networks, Healthcare Improvement Scotland, ISD and patient/carer representatives. Membership of the development group can be found in appendix 2.

#### 3. QPI Formal Review Process

As part of the National Cancer Quality Programme a systematic national review process has been developed, whereby all tumour specific QPIs published are subject to formal review following 3 years analysis of comparative QPI data.

Formal review of the Cutaneous Melanoma QPIs was undertaken in January 2018.

A Formal Review Group was convened, chaired by Dr Carrie Featherstone, Consultant Clinical Oncologist. Membership of this group included Clinical Leads from the three Regional Cancer Networks. Membership of this group can be found in appendix 3.

The formal review process is clinically driven with comments sought from specialty specific representatives in each of the Regional Cancer Networks for discussion at the initial meeting. This review builds on existing evidence using expert clinical opinion to identify where new evidence is available.

During formal review QPIs may be removed and replaced with new QPIs. Triggers for doing so include significant change to clinical practice, targets being consistently met by all Boards, and publication of new evidence.

Any new QPIs have been developed in line with the following criteria:

- **Overall importance** does the indicator address an area of clinical importance that would significantly impact on the quality and outcome of care delivered?
- Evidence based is the indicator based on high quality clinical evidence?
- **Measurability** is the indicator measurable i.e. are there explicit requirements for data measurement and are the required data items accessible and available for collection?

#### 4. Format of the Quality Performance Indicators

QPIs are designed to be clear and measurable, based on sound clinical evidence whilst also taking into account other recognised standards and guidelines.

- Each QPI has a **short title** which will be utilised in reports as well as a fuller **description** which explains exactly what the indicator is measuring.
- This is followed by a brief overview of the **evidence base and rationale** which explains why the development of this indicator was important.
- The measurability **specifications** are then detailed; these highlight how the indicator will actually be measured in practice to allow for comparison across NHSScotland.
- Finally a **target** is indicated, this dictates the level which each unit should be aiming to achieve against each indicator.

In order to ensure that the chosen target levels are the most appropriate and drive continuous quality improvement as intended they are kept under review and revised as necessary, if further evidence or data becomes available.

Rather than utilising multiple exclusions, a tolerance level has been built into the QPIs. It is very difficult to accurately measure patient choice, co-morbidities and patient fitness therefore target levels have been set to account for these factors. Further detail is noted within QPIs where there are other factors which influenced the target level.

Where 'less than' (<) target levels have been set the rationale has been detailed within the relevant QPI. All other target levels should be interpreted as 'greater than' (>) levels.

#### 5. Supporting Documentation

A national minimum core dataset and a measurability specification document have been developed in parallel with the indicators to support the monitoring and report of Cutaneous Melanoma QPIs. The updated document will be implemented for patients diagnosed with Cutaneous Melanoma on, or after, 1st July 2018.

## 6. Quality Performance Indicators for Cutaneous Melanoma

#### **QPI 1: Diagnostic Biopsy**

QPI Title:		neous melanoma should have their initial diagnostic by a skin cancer clinician <sup>*</sup> .	
Description:	Proportion of patients with cutaneous melanoma who have their initial diagnostic biopsy carried out by a skin cancer clinician <sup>*</sup> .		
	<b>Please note:</b> The specifications of this QPI are separated to ensure clear measurement of both patients who undergo:		
		excision biopsy as their initial procedure; and psy as their initial procedure.	
Rationale and Evidence:	The initial biopsy is important for both diagnosis and pathological staging <sup>2-4</sup> . Evidence has shown excisional biopsy to be the most appropriate procedure, because it allows accurate evaluation of tumour thickness and other prognostic factors <sup>2, 5</sup> .		
	If melanoma is suspected an excision biopsy should be carried out to ensure the melanoma is completely removed, except in rare circumstances where an incision or shave biopsy may be a more appropriate initial procedure, due to location or size of lesion <sup>6</sup> .		
	Patients suspecte secondary care to with specialist exp	ed of having melanoma should be referred to have their excisional biopsy carried out by someone erience in melanoma <sup>4, 6, 7</sup> .	
Specification (i):	Numerator:	Number of patients with cutaneous melanoma undergoing diagnostic excision biopsy as their initial procedure who had this carried out by a skin cancer clinician.	
	Denominator:	All patients with cutaneous melanoma undergoing diagnostic excision biopsy as their initial procedure.	
	Exclusions:	No exclusions.	

(continued overleaf....)

• Plastic Surgeon, or

<sup>&</sup>lt;sup>\*</sup> A skin cancer clinician can be defined as a:

<sup>•</sup> Dermatologist,

<sup>•</sup> A locally designated clinician with a special interest in skin cancer, who is also a member (or under the supervision of a member) of the melanoma MDT.

## QPI 1: Diagnostic Biopsy (.....continued)

Specification (ii):	Numerator:	Number of patients with cutaneous melanoma undergoing partial biopsy as their initial procedure who had this carried out by a skin cancer clinician.
	Denominator:	All patients with cutaneous melanoma undergoing partial biopsy as their initial procedure.
	Exclusions:	No exclusions.
Target:		counts for situations where lesion is not clinically lanoma before excision and for factors relating to

Revision(s):	Title change to 'Diagnostic Biopsy'
	QPI separated into 2 specifications to focus on: (i) Patients who undergo diagnostic excision biopsy as their initial procedure (ii) Patients who undergo partial biopsy as their initial procedure

## QPI 2: Pathology Reporting

QPI Title:	Surgical pathology reports for patients with cutaneous melanoma should contain full pathology information to inform treatment decision making.	
Description:	Proportion of patients with cutaneous melanoma who undergo diagnostic excision biopsy where the surgical pathology report contains a full set of data items (as defined by the current Royal College of Pathologists dataset).	
Rationale and Evidence:	To allow treatment planning to take place for patients diagnosed with cutaneous melanoma, prognostic information from the primary excision biopsy is needed. The use of datasets 'improves the 'completeness' of data' in pathology reports <sup>4, 6, 8</sup> .	
	The Royal College of Pathologists have agreed a minimum dataset <sup>8</sup> .	
	The dataset is available from:	
	Royal College of Pathologists - minimum dataset Cutaneous Melanoma	
Specifications:	Numerator: Number of patients with cutaneous melanoma undergoing diagnostic excision biopsy where the surgical pathology report contains a full set of data items (as defined by the current Royal College of Pathologists dataset).	
	<b>Denominator:</b> All patients with cutaneous melanoma undergoing diagnostic excision biopsy.	
	Exclusions:  • No exclusions.	
Target:	90%	
	The tolerance level within this target is designed to account for situations where there is insufficient tissue to perform additional testing.	

Revision(s):	No changes to QPI.	
	Dataset change only – remove AJCC (clinical stage) as a requirement for histopathology report to be complete.	

## QPI 3: Multi-Disciplinary Team Meeting (MDT)

QPI Title:		utaneous melanoma should be discussed by a eam prior to definitive treatment.
Description:	Proportion of patients with cutaneous melanoma who are discussed at a MDT meeting before definitive treatment.	
Rationale and Evidence:	Evidence suggests that patients with cancer managed by a multi- disciplinary team have a better outcome. There is also evidence that the multidisciplinary management of patients increases their overall satisfaction with their care <sup>9</sup> . Discussion prior to definitive treatment decision provides reassurance that patients are being managed appropriately.	
Specifications:	Numerator:	Number of patients with cutaneous melanoma discussed at the MDT before definitive treatment (wide local excision, chemotherapy/SACT, supportive care and radiotherapy).
	Denominator:	All patients with cutaneous melanoma.
	Exclusions:	Patients who died before first treatment.
Target:	95%	
	The tolerance within this target is designed to account for situations where patients require treatment urgently.	

Revision(s):	No changes to QPI.

## **QPI 4: Clinical Examination of Draining Lymph Node Basins**

QPI Title:	Patients with cutaneous melanoma should undergo clinical examination of relevant draining lymph node basins as part of clinical staging.	
Description:	Proportion of patients with cutaneous melanoma undergoing clinical examination of relevant draining lymph node basins as part of clinical staging.	
Rationale and Evidence:	Scottish Intercollegiate Guidelines Network <sup>7</sup> reports the examination of the regional lymph node basin as an important aspect of the clinical evaluation of patients with cutaneous melanoma as the presence of nodal metastasis is an important predictor of outcome and prognosis <sup>4</sup> , <sup>7</sup> .	
Specifications:	Numerator:	Number of patients with cutaneous melanoma who undergo clinical examination of relevant draining lymph node basins as part of clinical staging.
	Denominator:	All patients with cutaneous melanoma.
	Exclusions:	No exclusions.
Target:	95%	
	The tolerance within this target is designed to account for factors of patient choice.	

Revision(s):	No changes to QPI.
	Dataset change only to include further notes for users and remove statement that clinical examination has to be carried out after diagnosis.

## **QPI 5: Sentinel Node Biopsy Pathology**

QPI Title:		esy (SNB) reports for patients with cutaneous contain full pathology information to inform naking.
Description:	Proportion of patients with cutaneous melanoma who undergo SNB where the SNB report contains a full set of data items (as defined by the current Royal College of Pathologists dataset).	
Rationale and Evidence:	standardised way so The importance of outlined by Royal Co a major role in defini The dataset is availa	SNB reports should be carried out in a that findings between centres are comparable <sup>10</sup> . meticulous diagnosis and reporting has been ollege of Pathologists; histological parameters play ng patient treatment <sup>8</sup> . able from: <u>Pathologists - minumum dataset Cutaneous</u>
Specifications:	f F Denominator:	Number of patients with cutaneous melanoma undergoing SNB, where the SNB report contains a full set of data items (as defined by the current Royal College of Pathologists dataset). All patients with cutaneous melanoma undergoing SNB. • No exclusions.
Target:		l within this target is designed to account for here is insufficient tissue to perform additional

Revision(s):	No changes to QPI.

## **QPI 6: Wide Local Excisions**

QPI Title:	Patients with cutaneous melanoma should undergo a wide local excision of the initial diagnostic biopsy site to reduce the risk of local	
	recurrence.	
Description:	Proportion of patients with cutaneous melanoma who undergo a wide local excision, following diagnostic excision or partial biopsy.	
Rationale and Evidence:	Surgical excision is an effective cure for primary cutaneous melanoma <sup>11</sup> . The lesion is initially removed for histological diagnosis and assessment of tumour depth. A further excision is carried out to minimise the risk of local recurrence <sup>11, 12</sup> . Studies have shown the importance of removing the tumour and a margin of healthy skin <sup>13</sup> . The standard treatment for primary cutaneous melanoma is wide local excision of the skin and subcutaneous tissues around the melanoma <sup>12, 15</sup> . Treatment for melanoma aims to achieve histologically free margins with low likelihood of local recurrence or persistent disease <sup>16</sup> . The appropriate surgical margin is determined by the thickness of the lesion <sup>4, 12, 13, 15, 16</sup> . Various evidence exists determining the most	
	clinically appropriate surgical margin <sup>4, 12, 13, 16</sup> . The Melanoma QPI Development Group felt ensuring a wide local excision took place was a good indicator of quality, with the decision of appropriate surgical margin being left to MDT/Clinical judgement.	
Specification:	Numerator: Number of patients with cutaneous melanoma undergoing diagnostic excision or partial biopsy who undergo a wide local excision.	
	<b>Denominator:</b> All patients with cutaneous melanoma undergoing diagnostic excision or partial biopsy.	
	<b>Exclusions:</b> • Patients who died before treatment.	
Target:	95%	
	The tolerance within this target accounts for factors of patient choice and for situations it is not clinically possible to undertake a wide local excision due to the size and location of the tumour.	

Revision(s):	QPI combined into a single specification including patients who
	have undergone either diagnostic excision biopsy or partial
	biopsy in the denominator.

## **QPI 7: Time to Wide Local Excision**

QPI Title:		aneous melanoma should have their wide local days of their diagnostic biopsy.
	excision within 64	days of their diagnostic biopsy.
Description:	wide local excision <b>Please note:</b> The clear measuremen (i) Diagnostic days	ents with cutaneous melanoma who undergo their within 84 days of their diagnostic biopsy. specifications of this QPI are separated to ensure t of both patients who undergo: excision biopsy and wide local excision within 84 psy and wide local excision within 84 days
Rationale and Evidence:	continue to have undertaken to ach the risk of local rec	
	excision as soon clinical literature excision however treatment can hav types <sup>18-20</sup> . They ha	patients with cutaneous melanoma undergo surgical as possible. There is no clear consensus from on the most appropriate timeframe for wide local studies have found that delays in receiving definitive e an unfavourable impact within a number of cancer ave also documented that these delays could cause atives psychological distress <sup>20</sup> .
	agreed that 84 d	lelanoma QPI Development Group have therefore ays is the most appropriate timeframe based on and current best practice.
Specification (i):	Numerator:	Number of patients with cutaneous melanoma undergoing wide local excision within 84 days of their diagnostic excision biopsy.
	Denominator:	All patients with cutaneous melanoma undergoing diagnostic excision biopsy.
	Exclusions:	<ul> <li>Patients who have also undergone partial biopsy</li> </ul>
Specification (ii):	Numerator:	Number of patients with cutaneous melanoma undergoing wide local excision within 84 days of their partial biopsy.
	Denominator:	All patients with cutaneous melanoma undergoing partial biopsy.
	Exclusions:	No exclusions.
Target:	95%	
	The tolerance with	in this target accounts for factors of patient choice.

Revision(s):	No changes to QPI. Measurability update only – amputation to be included.

#### **QPI 8: BRAF Status**

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QPI Title:	have their BRAF st		
Description:		ents with unresectable stage III or IV cutaneous ve their BRAF status checked.	
Rationale and Evidence:	BRAF inhibitors, such as vemurafenib, significantly increase overall survival and progression-free survival compared with current standard chemotherapy for patients with previously untreated unresectable stage III or stage IV melanoma with V600 BRAF mutation <sup>21, 22</sup> . Patients with unresectable stage IIIC and IV melanoma should undergo a B-RAF status check to assess suitability for vemurafenib <sup>21, 23</sup> .		
	As many patients with IIIC disease will not have undergone surgery, making pathological staging impossible, the Cutaneous Melanoma QPI Development Group have therefore agreed to measure all stage III patients within this QPI.		
Specifications:	Numerator:	Number of patients with unresectable stage III or IV cutaneous melanoma who have their BRAF status checked.	
	Denominator:	All patients with unresectable stage III or IV cutaneous melanoma	
	Exclusions:	No exclusions.	
Target:	75%		
	The tolerance level within this target is designed to account for situations where there is insufficient tissue to assess the BRAF status, and for patients with stage IIIA or IIIB disease where it is not clinically appropriate to test for BRAF status. In addition the tolerance accounts for situations where patients may have significant co-morbidities or may not be fit for investigation and/or treatment and for patient choice.		

Revision(s):	No changes to QPI.

## **QPI 9: Imaging for Patients with Advanced Melanoma**

QPI Title:	evaluated with a making.	ge IIC and above cutaneous melanoma should be appropriate imaging to guide treatment decision	
Description:	Proportion of patients with stage IIC and above cutaneous melanoma who undergo computed tomography (CT) or positron emission tomography (PET) CT within 35 days of diagnosis.		
Rationale and Evidence:	offered initial stag Guidelines report should undergo in exclude metastas melanoma do not false positives <sup>4, 7</sup>	that patients with stage IIC and above should be ing imaging <sup>7</sup> . that patients with high grade cutaneous melanoma maging of the head, chest, abdomen and pelvis to es <sup>4</sup> . It has been reported that low grade cutaneous benefit from imaging due to the high incident rate of . To ensure alignment with current clinical practice tilised to stratify patients for inclusion within this QPI	
Specifications:	Numerator:	Number of patients with stage IIC and above cutaneous melanoma who undergo CT or PET CT within 35 days of diagnosis.	
	Denominator:	All patients with stage IIC and above cutaneous melanoma.	
	Exclusions:	No exclusions.	
Target:	95%		
	The tolerance within this target accounts for situations where patients are not fit enough to undergo investigation and for factors of patient choice.		

Revision(s):	QPI changed to include patients with stage IIC and above cutaneous melanoma.
	QPI changed to focus on CT/PET CT within 35 days of diagnosis rather than prior to completion lymphadenectomy.

## QPI 10: Systemic Therapy

QPI Title:	Patients with unresectable stage III and IV cutaneous melanoma should receive Systemic Anti Cancer Therapy (SACT).	
Description:	Proportion of patients with unresectable stage III and IV cutaneous melanoma undergoing SACT.	
Rationale and Evidence:	As the majority of metastatic melanomas are not amenable to surgery, it is often found that systemic therapy is the best option <sup>23</sup> . SACT should be available for the management of patients with cutaneous melanoma where appropriate <sup>6</sup> . Studies have found that SACT is beneficial for patients who have a high risk of recurrence <sup>24</sup> .	
Specifications:	Numerator:	Number of patients with unresectable stage III and IV cutaneous melanoma who undergo SACT.
	Denominator:	All patients with unresectable stage III and IV cutaneous melanoma.
	Exclusions:	• Patients who died before treatment.
Target:	60%	
	The tolerance accounts for situations where due to co-morbidies and fitness patients may not be suitable for SACT and for factors of patient choice.	

Revision(s):	No changes to QPI.

## QPI 12: Surgical Margins

QPI Title:	Patients with cutaneous melanoma should have their lesion adequately excised prior to definitive treatment (wide local excision).	
Description:	Proportion of patients with cutaneous melanoma where complete excision is undertaken with histological margins of ≤2mm prior to definitive treatment (wide local excision).	
Rationale and Evidence:	Accurate clinical and histological diagnosis is essential for the appropriate management of patients. Suspicious lesions should be excised with narrow margins including subcutaneous fat <sup>25</sup> . Guidelines report that in order to carry out full histological evaluation and assessment of a suspected melanoma, the optimal specimen is a complete excision with a 2mm surround of normal skin and a cuff of fat <sup>7</sup> .	
Specifications:	Numerator: Number of patients with cutaneous melanoma where complete excision is undertaken with histological margins of ≤2mm prior to wide local excision.	
	<b>Denominator:</b> All patients with cutaneous melanoma who undergo wide local excision.	
	Exclusions: • None.	
Target:	85%	
	The tolerance accounts for those patients where fitness and co- morbidities preclude multiple surgical episodes.	

Revision(s):	NEW QPI

## **QPI 13: Clinical Trials and Research Study Access**

Revision(s):	Revised Clinical Trial and Research Study Access QPI will be added to all tumour types.

## 7. Survival

Improving survival forms an integral part of the national cancer quality improvement programme. Cutaneous Melanoma survival analysis will be reported and analysed on a 3 yearly basis by Information Services Division (ISD). The specific issues which will be identified by an expert group ahead of any analysis being undertaken, as per the agreed national cancer quality governance and improvement framework.

The Cutaneous Melanoma QPI Group has identified; during the QPI development process, the following issues for survival analysis.

• 1, 2 and 5 year overall survival

To ensure consistent application of survival analysis, it has been agreed that a single analyst on behalf of all three regional cancer networks undertakes this work. Survival analysis will be scheduled as per the national survival analysis and reporting timetable, agreed with the National Cancer Quality Steering Group and Scottish Cancer Taskforce. This reflects the requirement for record linkage and the more technical requirements of survival analyses which would make it difficult for individual Boards to undertake routinely and in a nationally consistent manner.

#### 8. Areas for Future Consideration

The Cutaneous Melanoma QPI Groups have not able to identify sufficient evidence, or determine appropriate measurability specifications; to address all areas felt to be of key importance in the treatment of Cutaneous Melanoma, and therefore in improving the quality of care for patients affected by Cutaneous Melanoma.

The following area for future consideration has been raised across the lifetime of the Cutaneous Melanoma QPIs.

• Genotyping of a patient's melanoma.

#### 9. Governance and Scrutiny

A national and regional governance framework to assure the quality of cancer services in NHSScotland has been developed; key roles and responsibilities within this are set out below. Appendices 4 and 5 provide an overview of these governance arrangements diagrammatically. The importance of ensuring robust local governance processes are in place is recognised and it is essential that NHS Boards ensure that cancer clinical audit is fully embedded within established processes.

#### 9.1 National

- Scottish Cancer Taskforce
  - Accountable for overall national cancer quality programme and overseeing the quality of cancer care across NHSScotland.
  - Advising Scottish Government Health and Social Care Directorate (SGHSCD) if escalation required.
- Healthcare Improvement Scotland
  - Proportionate scrutiny of performance.

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- Support performance improvement.
- Quality assurance: ensure robust action plans are in place and being progressed via regions/Boards to address any issues identified.
- Information Services Division (ISD)
  - Publish national comparative report on tumour specific QPIs and survival for 3 tumour types per annum and specified generic QPIs as part of the rolling programme of reporting.

#### 9.2 Regional – Regional Cancer Networks

- Annual regional comparative analysis and reporting against tumour specific QPIs.
- Support national comparative reporting of specified generic QPIs.
- Identify and share good practice.
- In conjunction with constituent NHS Boards identify regional and local actions required to develop an action plan to address regional issues identified.
- Review and monitoring of progress against agreed actions.
- Provide assurance to NHS Board Chief Executive Officers and Scottish Cancer Taskforce that any issues identified have been adequately and timeously progressed.

#### 9.3 Local – NHS Boards

- Collect and submit data for regional comparative analysis and reporting in line with agreed measurability and reporting schedule (generic and tumour specific QPIs).
- Utilise local governance structures to review performance, develop local action plans and monitor delivery.
- Demonstrate continual improvements in quality of care through on-going review, analysis and feedback of clinical audit data at an individual multidisciplinary team (MDT) or unit level.

#### **10.** How to participate in the engagement process

In order to ensure wide inclusiveness of clinical and management colleagues from across NHSScotland, patients affected by Cutaneous Melanoma and the wider public, several different methods of engagement are being pursued:

#### Professional groups, health service staff, voluntary organisations and individuals:

• Wide circulation of the draft documentation for comment and feedback.

#### Patient representative groups:

• Organised patient focus group sessions to be held.

#### 10.1 Submitting your comments

You can submit your comments on the revised Cutaneous Melanoma QPIs via the Scottish Government Consultation Hub (website link below):

https://consult.scotland.gov.uk/west-of-scotland-cancer-network/melanoma-qpi

All responses should be submitted by Friday 22<sup>nd</sup> June 2018.

## If you require any further information regarding the engagement process please use the email address below.

Email: MelanomaQPIPublicEngagement@gov.scot

#### 10.2 Engagement feedback

At the end of the engagement period, all comments and responses will be collated for review by the Cutaneous Melanoma Formal Review Group. Those who have participated in the engagement process will receive an overview of the changes made and a copy of the final Cutaneous Melanoma QPI document.

#### 11. References

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#### 12. Appendices

#### Appendix 1: QPI Development Process

#### **Preparatory Work and Scoping**

The preparatory work involved the development of a structured briefing paper by Healthcare Improvement Scotland. This paper took account of existing, high quality, clinical guidance and provided a basis for the development of QPIs.

The scope for development of Cutaneous Melanoma QPIs and a search narrative were defined and agreed by the Cutaneous Melanoma QPI Development Group. The table below shows the final search criteria used in the literature search.

Inclusion	Exclusion
Melanoma types:	Related melanoma types:
Primary cutaneous melanoma:	Secondary malignant melanoma
	<ul> <li>Cutaneous squamous cell carcinoma</li> </ul>
Interventions:	Basal cell carcinoma
Diagnosis	<ul> <li>Primary cutaneous lymphoma</li> </ul>
Staging and prognostic indicators	Non-cutaneous melanoma (including ocular)
Surgical management	he terre en tiener
Non-surgical management	Interventions:
	Clinical trials recruitment and protocols
	Communication, information sharing and     support
Age range: Adults only	<ul><li>support</li><li>Follow-up</li></ul>
	<ul> <li>Palliative/end-of-life care (pain management,</li> </ul>
Date: 2005 to present day	end-of-life counselling, hospice management)
	<ul> <li>Pre-cancerous conditions including: in situ and</li> </ul>
Language: English only	lentigo maligna
	Prevention
Document type: Clinical guidelines	Primary care/referral
	Recurrent disease/relapsed disease
	management
	Screening
	Symptom management (e.g. nausea and
Table 4 Outenaaus Malanama Saarah Oritar	vomiting, neutropenic sepsis)

 Table 1 – Cutaneous Melanoma Search Criteria

A systematic search was carried out by Healthcare Improvement Scotland using selected websites and two primary medical databases to identify national and international guidelines.

Twenty one guidelines were appraised for quality using the AGREE II instrument<sup>26</sup>. This instrument assesses the methodological rigour used when developing a guideline. Seven of the guidelines were not recommended for use. The remaining 14 were recommended for use with consideration of their applicability or currency.

#### Indicator Development

The melanoma QPI Development group defined evidence based, measurable indicators with a clear focus on improving the quality and outcome of care provided.

The group developed QPIs using the clinical recommendations set out in the briefing paper as a base, ensuring all indicators met the following criteria:

• **Overall importance** – does the indicator address an area of clinical importance that would significantly impact on the quality and outcome of care delivered?

- Evidence based is the indicator based on high quality clinical evidence?
- **Measurability** is the indicator measurable i.e. are there explicit requirements for data measurement and are the required data items accessible and available for collection?

#### **Engagement Process**

A wide clinical and public engagement exercise was undertaken as part of development in February 2014 where the Cutaneous Melanoma QPIs, along with accompanying draft minimum core dataset and measurability specifications, were made available on the Scottish Government website. During the engagement period clinical and management colleagues from across NHSScotland, patients affected by Cutaneous Melanoma and the wider public were given the opportunity to influence the development of Cutaneous Melanoma QPIs.

Draft documentation was circulated widely to professional groups, health service staff, voluntary organisations and individuals for comment and feedback.

Following the engagement period all comments and responses received were reviewed by the Cutaneous Melanoma QPI Development Group and used to produce and refine the final indicators.

Name	Designation	Cancer Network/Base
Jim Docherty (Chair)	Consultant Surgeon	NOSCAN / NHS Highland
Asok Biswas	Consultant Dermatopathologist	SCAN / NHS Lothian
Lorna Bruce	SCAN Audit Manager	SCAN
Sandy Burnham	Patient Representative	
Hazel Carnegie	Patient Representative	
Tim Crooks	Medical Oncologist	NOSCAN / NHS Tayside
Michaela Davies	Consultant Plastic Surgeon	NOSCAN / NHS Grampian
Amanda Degabrielle	Macmillan Skin Cancer Clinical Nurse Specialist	NOSCAN / NHS Tayside
Sheena Dryden	Clinical Nurse Specialist	SCAN / NHS Lothian
Alan Evans	Consultant Pathologist	NOSCAN / NHS Tayside
Colin Fleming	Consultant Dermatologist	NOSCAN / NHS Tayside
Girish Gupta	Consultant Dermatologist	WoSCAN / NHS Lanarkshire
Michelle Hilton Boon	Programme Manager	Healthcare Improvement Scotland
Alex Holme	Consultant Dermatologist	SCAN / NHS Lothian
Matt Hough	Consultant Plastic Surgeon	NOSCAN / NHS Tayside
Ehab Husain	Consultant Pathologist	NOSCAN / NHS Grampian
Daniel Kemmett	Consultant Dermatologist	WoSCAN / NHS Greater Glasgow and Clyde
Kelly Macdonald	Project Manager	National Cancer QPI Development Programme
Melanie McColgan	General Manager, Emergency Care & Medical Services	WoSCAN / NHS Greater Glasgow and Clyde
Claire McKenzie	Clinical Quality Service Coordinator	WoSCAN / NHS Lanarkshire
Neil McLachlan	MCN Manager	NOSCAN / NHS Grampian
Frank Muller	Consultant Dermatologist	NOSCAN / NHS Grampian
Brian Murray	Principle Information Development Manager	Information Services Division
Taimur Shoaib	Consultant Plastic Surgeon	WoSCAN / NHS Greater Glasgow and Clyde
Leigh Smith	Patient Representative	

Name	Designation	Cancer Network/Base
Amir Tadros	Consultant Plastic Surgeon	NOSCAN / NHS Grampian
Evelyn Thomson	Regional Manager (Cancer)	WoSCAN
James Vestey	Consultant Dermatologist and Melanoma coordinator	NOSCAN / NHS Highland
Ashita Waterston	Consultant Oncologist	WoSCAN / NHS Greater Glasgow and Clyde

NOSCAN - North of Scotland Cancer Network SCAN - South East Scotland Cancer Network WoSCAN - West of Scotland Cancer Network

#### Appendix 3: Cutaneous Melanoma QPI Formal Group Membership (2018)

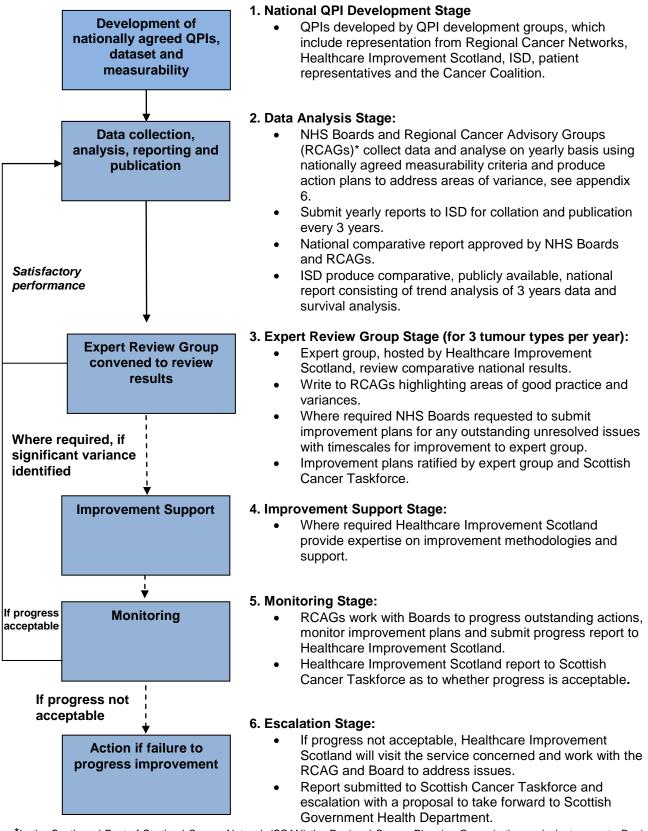
Name	Designation	Cancer Network/Base
Carrie Featherstone (Chair)	Consultant Clinical Oncologist	WoSCAN
Andrew Affleck	Consultant Dermatologist / MCN Clinical Lead	NOSCAN
Lorna Bruce	Audit Manager	SCAN
Roger Currie	Consultant Dermatologist / MCN Clinical Lead	WoSCAN
Jen Doherty	Project Co-ordinator	National Cancer Quality Programme
Megan Mowbray	Consultant Dermatologist / MCN Clinical Lead	SCAN
Lorraine Stirling	Project Officer	National Cancer Quality Programme

## Formal review of the Cutaneous Melanoma QPIs has been undertaken in consultation with various other clinical specialties.

NOSCAN - North of Scotland Cancer Network SCAN - South East Scotland Cancer Network WoSCAN - West of Scotland Cancer Network

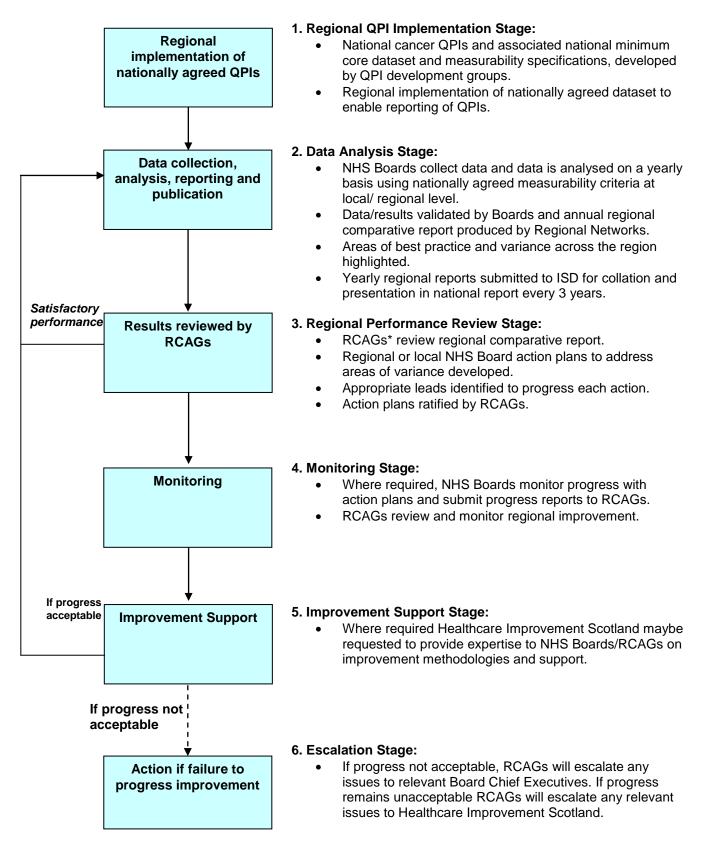
# Appendix 4: 3 Yearly National Governance Process & Improvement Framework for Cancer Care

This process is underpinned by the annual regional reporting and governance framework (see appendix 5).



\*In the South and East of Scotland Cancer Network (SCAN) the Regional Cancer Planning Group is the equivalent group to Regional Cancer Advisory Group (RCAG).

#### Appendix 5: Regional Annual Governance Process and Improvement Framework for Cancer Care



\*In the South and East of Scotland Cancer Network (SCAN) the Regional Cancer Planning Group is the equivalent group to Regional Cancer Advisory Group (RCAG).

## Appendix 6: Glossary of Terms

Adjuvant Treatment	Treatment such as chemotherapy, or radiotherapy that is given
-	after a surgical procedure to reduce the risk of the cancer coming
	back.
Biopsy	Removal of a sample of tissue from the body to assist in diagnosis
	of a disease.
BRAF	Specific genetic marker that when mutated allows tumour cells to
	be killed off with a specific class of anticancer drugs
Chemotherapy	The use of drugs used to kill cancer cells, to prevent or slow their
	growth.
Clinical staging	Process of describing to what degree cancer has spread from its
	original site to another part of the body. Staging involves clinical,
	surgical and pathology assessments.
<u> </u>	See TNM Classification
Co-morbidity/	Other conditions and symptoms prevelant other than the primary
Comorbidities	diagnosis.
Computed Tomography	An x-ray imaging technique, which allows detailed investigation of
(CT)	the internal organs of the body.
Curative Treatment Definitive Treatment	Treatment given to cure the illness.
	Treatment designed to potentially cure cancer using one or a combination of interventions.
Dermatologist	A clinician who works within a branch of medicine concerned with
	the study and treatment of disorders of the skin.
Diagnosis	The process of identifying a disease, such as cancer, from its
	signs and symptoms.
Grade	The degree of malignancy of a tumour, i.e. how closely the cancer
	cells look like normal cells.
Histological /	The study of the structure, composition and function of tissues
Histopathogical	under the microscope, and their abnormalities.
Immunotherapy	A treatment that uses the body's own immune system to help fight cancer.
Lymphoedema	A swelling that develops as a result of an impaired lymphatic
	system.
Metastatic	Spread of cancer away from the primary site to somewhere else
	via the bloodstream or the lymphatic system. Metastatic disease
	can be local (close to the area where the cancer is) or distant (in
	another area of the body).
Morbidity	How much ill health a particular condition causes.
Mortality	Either (1) the condition of being subject to death; or (2) the death
	rate, which reflects the number of deaths per unit of population in
	a specific region, age group, disease or other classification, usually expressed as deaths per 1,000, 10,000 or 100,000.
Multidisciplinary Team	Team which consists of various specialities and may be different
	depending on disease. For example, pathologist, surgeon, etc.
Multidisciplinary Team	A meeting which is held on a regular basis, which is made up of
Meeting (MDT)	participants from various disciplines appropriate to the disease
	area, where diagnosis, management and appropriate treatment of
<u> </u>	patients is discussed and agreed.
Lymph nodes	Small bean shaped organs located along the lymphatic system.
	Nodes filter bacteria or cancer cells that might travel through the
Pathological/Pathology	lymphatic system.
Pathological/Pathology	The study of disease processes with the aim of understanding their nature and causes. This is achieved by observing samples
	of fluid and tissues obtained from the living patient by various
	methods, or at a post mortem.

Positron emission tomography / Computed Tomography (PET CT) Postoperative	A specialised imaging technique which demonstrates uptake of tracer in areas of high cell metabolism and can help differentiate between benign and malignant masses. Postoperative complications are unexpected problems that arise
Complication	following surgery; these can range from minor to major complications.
Prognosis	An assessment of the expected future course and outcome of a person's disease.
Radiotherapy	The use of radiation (such as x-rays) to diagnose or treat disease.
Sentinel Node Biopsy	The lymph node near a body organ or part of an organ which is thought to be the first reached by tissue fluid draining from that organ. This lymph node may be the one most likely to contain cancer cells if the cancer has begun to spread.
Surgery/ Surgical Resection	Surgical removal of the tumour/lesion.
Subcutaneous	Beneath the skin.
Survival	The percentage of people in a study or treatment group who are alive for a certain period of time after they were diagnosed with or treated for a disease, such as cancer.
Systematic Anti Cancer Therapy (SACT)	Treatment of cancer using drugs which prevent the replication or growth of cancer cells. This encompasses biological therapies and cytotoxic chemotherapy.
Toxicity	The extent to which something is poisonous or harmful.
Tumour Node Metastases (TNM)	'TNM' stands for Tumour, Node, Metastasis. This system can describe the size of a primary tumour, whether the cancer has spread to the lymph nodes and whether the cancer has spread to a different part of the body (metastasised). The system uses numbers to describe the cancer.
Wide Excision	The removal of the lump together with some surrounding normal tissue.