



**Scottish Cancer Strategic Board
National Cancer Quality Improvement
Board**

**Ovarian Cancer
Clinical Quality Performance Indicators**

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Revision History

Version	Date	Summary of Changes
V1.0	January 2012	Initial publication
V2.0	January 2016	Baseline review changes
V3.0	May 2018	Formal review changes (1st Cycle)
V4.0	June 2021	Formal review changes (2nd Cycle)
V5.0	September 2024	Formal review changes (3rd Cycle)

Contents Update Record

September 2024 (v5.0)

This document was updated following formal review (3rd cycle) of the Ovarian Cancer Quality Performance Indicators (QPIs) which took place following analysis of year 9 of the ovarian cancer QPI data.

The following QPIs have been updated:

- QPI 3: Treatment planned and reviewed at a multi-disciplinary team meeting
- QPI 9: First-line chemotherapy
- QPI 11: Genetic testing in non-mucinous epithelial ovarian cancer

The following QPIs have been archived:

- QPI 2: Extent of disease assessed by Computed Tomography (CT) or Magnetic Resonance Imaging (MRI)
- QPI 4: Patients with early stage disease have an adequate staging operation
- QPI 10: Surgery for advanced disease
- QPI 13: Clinical trials and research study access*
- QPI 14: 30 Day mortality following SACT treatment*

The following new QPIs have been added:

- QPI 15: Surgical management in ovarian cancer
- QPI 16: Maintenance treatment for advanced stage high grade epithelial ovarian cancer
- QPI 17: MDT review of patients with advanced epithelial cancer following 3 cycles of chemotherapy

* These important indicators will continue to be monitored via other national reporting systems rather than through the QPI process.

As a result of the changes above, the contents page and page numbering differ from earlier versions of this document. Sections 1-10 and the appendices have also been updated.

Please note that this version of the Ovarian Cancer QPI document applies to cases diagnosed from 1st October 2023. Where amended or new QPIs require new data items for measurement, this will apply for patients diagnosed from 1st October 2024.

Previous Updates:

June 2021 (v4.0)

This document was updated following formal review (2nd cycle) of the Ovarian Cancer Quality Performance Indicators (QPIs) which took place following analysis of year 6 of the ovarian cancer QPI data.

The following QPIs have been updated:

- QPI 3 – Treatment planned and reviewed at multi-disciplinary team meeting
- QPI 4 - Patients with early stage disease have an adequate staging operation
- *QPI 6 – Histopathology reports are complete and support clinical decision-making
- *QPI 7 – Histological diagnosis prior to starting chemotherapy
- QPI 9 – First line chemotherapy
- *QPI 10 – Surgery for advanced disease
- QPI 11 – Genetic testing in non-mucinous epithelial ovarian cancer
- QPI 12 – 30 day mortality after first line treatment for ovarian cancer

The following new QPIs have been added:

- QPI 14 – 30 Day Mortality following Systemic Anti-Cancer Therapy (SACT)

*QPI target change only.

As a result of the changes above, the contents page and page numbering differ from earlier versions of this document. Sections 1 – 10 and the appendices have also been updated.

Please note that this version of the Ovarian Cancer QPI Document applies to cases diagnosed from 1st October 2019 onwards. Where amended or new QPIs require new data items for measurement, this will apply for patients diagnosed from 1st October 2020.

May 2018 (v3.0)

This document was updated following formal review of the Ovarian Cancer Quality Performance Indicators (QPIs) which took place following analysis of year 3 of the ovarian cancer QPI data.

The following QPIs have been updated:

- QPI 2 – Extent of disease assessed by Computed Tomography (CT) or Magnetic Resonance Imaging (MRI) prior to treatment
- QPI 4 – Patients with early stage disease have an adequate staging operation
- QPI 7 – Histo/cytological diagnosis prior to starting neo-adjuvant chemotherapy
- QPI 9 – First line chemotherapy

The following QPIs have been archived:

- QPI 1 – Risk of Malignancy Index recorded in the patient notes
- QPI 5 – No macroscopic residual disease following surgery for advanced disease
- QPI 8 – Delayed primary surgery

The following new QPIs have been added:

- QPI 10 – Surgery for advanced disease
- QPI 11 – BRCA1 and BRCA2 sequencing in epithelial ovarian cancer
- QPI 12 – 30 day mortality after first line treatment for ovarian cancer

Please note the revised Clinical Trials Access QPI has now been added into each tumour specific QPI document (see QPI 13: Clinical Trial and Research Study Access).

As a result of the changes above, the contents page and page numbering differ from earlier version of this document. Sections 1 - 10 and the appendices have also been updated.

Please note that this version of the Ovarian Cancer QPI Document applies to cases diagnosed from 1st October 2016 onwards. Where amended or new QPIs require new data items for measurement, this will apply for patients diagnosed from 1st October 2017.

January 2016 (v2.0)

This document was updated following baseline review of the Ovarian Cancer QPIs which took place following analysis of year 1 of the Ovarian Cancer data. As a result, the following QPI has been updated:

- QPI 1 – Risk of Malignancy Index recorded in the patient notes

Please note that this version of the Ovarian Cancer QPI document applies to cases diagnosed from 1st October 2014

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1. National Cancer Quality Programme

Better Cancer: Ambition and Action (2016)¹ details a commitment to delivering the National Cancer Quality Programme across NHS Scotland, 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 of what good cancer care looks like.

Small sets of cancer specific outcome focussed, evidence based indicators are in place for 19 different tumour types. 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 Multidisciplinary 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 summary reports published annually. These reports highlight the publication of performance data in the Cancer QPI dashboard held within the Scottish Cancer Registry and Intelligence Service (SCRIS). The dashboard includes comparative reporting of performance against QPIs at MDT/Unit level across NHS Scotland, trend analysis and survival. This approach helps to 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 Public Health Scotland (PHS) for inclusion in the Cancer QPI Dashboard and subsequent national summary reports. This 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 Ovarian Cancer QPI Development Group was convened in March 2012, chaired by Professor John Dewar (Consultant Clinical Oncologist, NHS Tayside). Membership of this group included clinical representatives drawn from the three regional cancer networks, Healthcare Improvement Scotland, ISD and patient/carer representatives. The development process and membership of the development group can be found in appendix 1.

3. QPI Formal Review Process

As part of the National Cancer Quality Programme, a systematic rolling programme of national review has been developed. This ensures all tumour specific QPIs are subject to formal review following every 3rd year of comparative QPI data analysis.

The formal review process is clinically driven with proposals for change sought from specialty specific representatives in each of the Regional Cancer Networks. It is designed to be flexible in terms of the extent of review required with tumour specific Regional Clinical Leads undertaking a key role in this decision making. Formal review meetings to further discuss proposals are arranged where deemed necessary. The review builds on existing evidence using expert clinical opinion to identify where new evidence is available, and a full public engagement exercise will take place where significant revisions have been made or new QPIs developed.

During formal review QPIs may be archived 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. Where QPIs have been archived, associated data items will continue to be collected where these are utilised for other indicators, or measures such as survival analysis.

Any new QPIs are 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?

Three formal reviews of the Ovarian Cancer QPIs have been undertaken to date. Further information can be found in appendix 2.

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 measurability specification have been developed in parallel with the indicators to support the monitoring and reporting of Ovarian Cancer QPIs. The latest version of these documents can be found at:

[Public Health Scotland Cancer Audit](#)

6. Quality Performance Indicators for Ovarian Cancer

QPI 3 - Treatment planned and reviewed at a regional multi-disciplinary team meeting

QPI Title:	Patients with epithelial ovarian cancer should be managed through a regional multidisciplinary team (MDT) process [†] prior to definitive treatment.
Description:	Proportion of patients with epithelial ovarian cancer who are managed through a regional MDT process before definitive treatment.
Rationale and Evidence:	<p>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.²</p> <p>Discussion prior to definitive treatment decisions being made provides reassurance that patients are being managed appropriately. A streamlined pathway approach will be suitable for some patients whereby a standard protocol can be used to guide management and treatment decisions. These patients will therefore not require discussion, however this will be documented and agreed by the MDT.</p>
Specifications:	<p>Numerator: Number of patients with epithelial ovarian cancer managed through a regional MDT process before definitive treatment.</p> <p>Denominator: All patients with epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • Patients who died before first treatment. • Patients with Risk of Malignancy Index <200
Target:	<p>95%</p> <p>The tolerance within this target accounts for situations where patients require treatment urgently.</p>

[†] Some patients will be suitable for protocolised treatment and are therefore registered at MDT but do not require discussion.

QPI 6 - Histopathology reports are complete and support clinical decision-making

QPI Title:	Histopathology reports relating to pelvic clearance surgery for patients with epithelial ovarian cancer contain all necessary information to inform treatment decision making.
Description:	Proportion of patients with epithelial ovarian cancer undergoing pelvic clearance surgery having a complete pathology report as defined by the Royal College of Pathologists. ³
Rationale and Evidence:	<p>Histopathological reporting provides prognostic indicators which inform treatment planning for women diagnosed with epithelial ovarian cancer.</p> <p>Using a standardised data set to report pathology specimens promotes completeness and the Royal College of Pathologists has agreed a minimum data set for reporting ovarian cancer.³</p>
Specifications:	<p>Numerator: Number of patients with epithelial ovarian cancer undergoing definitive cytoreductive surgery who have a complete pathology report that contains all data items as defined by the Royal College of Pathologists.³</p> <p>Denominator: All patients with epithelial ovarian cancer undergoing definitive cytoreductive surgery.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>95%</p> <p>The tolerance within this target reflects situations where it is not possible to report all components of the data set due to poor quality of specimen.</p>

QPI 7 - Histological diagnosis prior to starting chemotherapy

QPI Title:	Patients with epithelial ovarian cancer should have a histological diagnosis of their cancer prior to starting chemotherapy.
Description:	Proportion of patients with epithelial ovarian cancer having a histological diagnosis obtained by percutaneous image-guided biopsy or laparoscopy prior to starting chemotherapy.
Rationale and Evidence:	<p>Before commencing cytotoxic chemotherapy, women with suspected advanced ovarian cancer should have their diagnosis confirmed by histology or by cytology if histology is not appropriate.⁴</p> <p>Where patients are being treated with chemotherapy prior to surgery, histology rather than cytology should be used to confirm the diagnosis where possible.⁵</p>
Specifications:	<p>Numerator Number of patients who have a diagnosis of epithelial ovarian cancer confirmed by histology prior to starting chemotherapy.</p> <p>Denominator All patients with epithelial ovarian cancer undergoing chemotherapy.</p> <p>Exclusions: • No exclusions.</p>
Target:	<p>90%</p> <p>The tolerance allowed by the target reflects that not all patients are suitable for histological confirmation of disease, e.g. where no targetable lesion identified on imaging and patient unsuitable for general anaesthetic/laparoscopy.</p>

QPI 9 - First-line chemotherapy

QPI Title:	Patients with epithelial ovarian cancer should receive chemotherapy treatment where clinically appropriate.
Description:	Proportion of patients with a histological or cytological diagnosis of epithelial ovarian cancer who receive chemotherapy treatment.
Rationale and Evidence:	<p>Chemotherapy is an important aspect of management in patients with epithelial ovarian cancer and should be offered where fitness allows.</p> <p>Where possible, first line chemotherapy treatment of epithelial ovarian cancer should include a platinum agent, either in combination or as a single agent. Carboplatin is the platinum drug of choice in both single and combination therapy and paclitaxel is recommended in combination where the potential benefits justify the toxicity of the therapy.^{6,7}</p> <p>Patients who choose less toxic therapy or who are unfit for taxanes should be offered single agent carboplatin.⁸</p>
Specifications:	<p>Numerator: Number of patients with a histological or cytological diagnosis of epithelial ovarian cancer who receive chemotherapy treatment.</p> <p>Denominator: All patients with a histological or cytological diagnosis of epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • Stage 1-4 Low grade serous ovarian carcinomas • Stage 1A-1C3 G1/G2 Endometrioid ovarian carcinomas • Stage 1A-1C1 clear cell ovarian carcinomas • Mucinous Stage 1A Grade 1/2 • Mucinous Stage 1B-1C3 Grade 1/2 • Patients who decline chemotherapy treatment.
Target:	<p>90%</p> <p>The tolerance allowed by the target recognises that there are a number of patients who are not fit enough to undergo chemotherapy.</p>

Please note:

Analysis on a) the time from diagnosis to neoadjuvant chemotherapy to surgery, and b) diagnosis to surgery to adjuvant chemotherapy will be undertaken across NHS Boards to provide additional information to support reporting of this QPI. This information will be reviewed to ensure there is no impact on the quality of care due to delays in patient pathways.

QPI 11 - Genetic testing in non-mucinous epithelial ovarian cancer

QPI Title:	All patients with a confirmed diagnosis of non-mucinous epithelial ovarian cancer should be offered genetic testing.
Description:	<p>Proportion of patients with non-mucinous epithelial ovarian cancer who undergo germline (blood) testing and somatic (tumour) testing.</p> <p>Please note: The specifications of this QPI are separated to ensure clear measurement of the following:</p> <ul style="list-style-type: none"> (i) Patients with a histological or cytological diagnosis of non- mucinous epithelial ovarian cancer who undergo germline testing; (ii) Patients with a histological diagnosis of high grade epithelial ovarian carcinoma who undergo HRD testing; and (iii) Patients with a histological diagnosis of endometrioid or clear cell ovarian carcinoma who undergo mismatch repair immunohistochemistry.
Rationale and Evidence:	<p>Germline testing: Germline testing should be performed in patients with ovarian cancer. where the combined risk of BRCA1 and BRCA2 mutation is $\geq 10\%$.⁷</p> <p>All patients with non-mucinous ovarian cancer should be offered germline mutation testing for a panel of markers including BRCA1 and BRCA2.⁵</p> <p>Various prediction models exist to assess the likelihood of a BRCA1 or BRCA2 mutation in a family. All patients with non-mucinous ovarian cancer (any age) would be predicted to have mutation detection rate of between 6.2% and 17.5%.⁵</p> <p>Somatic (tumour) testing: Genetic testing of ovarian tumours is recommended by a number of international guidelines such as ESMO⁹ for both prognostic and predictive information. Specifically, in high grade serous carcinoma, assessment for BRCA1 and BRCA2 mutations and for Homologous Recombination Deficiency (HRD) are important predictors of benefit from PARP inhibitor maintenance therapy. They can be combined in the HRD test or BRCA testing can be performed independently.</p> <p>Mismatch Repair Deficiency (MMR) testing is also valuable in predicting response to immune checkpoint inhibitors in ovarian endometrioid and clear cell carcinomas. It is likely that the extent of available clinically important somatic testing will increase in the coming years.</p>

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QPI 11 - Genetic testing in non-mucinous epithelial ovarian cancer (continued)

Specification (i):	<p>Numerator: Number of patients with a histological or cytological diagnosis of non- mucinous epithelial ovarian cancer who undergo germline testing.</p> <p>Denominator: All patients with a histological or cytological diagnosis of non-mucinous epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • Patients with low grade serous ovarian cancer.
Specification (ii):	<p>Numerator: Number of patients with a histological diagnosis of high grade epithelial ovarian cancer who undergo HRD testing.</p> <p>Denominator: All patients with a histological diagnosis of high grade epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Specification (iii):	<p>Numerator: Number of patients with a histological diagnosis of endometrioid or clear cell ovarian carcinoma who undergo mismatch repair immunohistochemistry.</p> <p>Denominator: All patients with a histological diagnosis of endometrioid or clear cell ovarian carcinoma.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions
Target:	<p>90%</p> <p>The tolerance level within this target is designed to account for situations where there is insufficient tissue for tumour testing or patients who decline germline testing.</p>

QPI 12 – 30 day mortality following surgery for ovarian cancer

QPI Title:	30 day mortality following surgery for ovarian cancer.
Description:	Proportion of patients who die within 30 days of surgery for ovarian cancer.
Rationale and Evidence:	<p>Treatment related mortality is a marker of the quality and safety of the whole service provided by the Multi-Disciplinary Team (MDT).¹⁰</p> <p>Outcomes of treatment, including treatment related morbidity and mortality should be regularly assessed.</p> <p>Treatment should only be undertaken in individuals that may benefit from that treatment, that is, treatments should not be undertaken in futile situations. This QPI is intended to ensure treatment is given appropriately, and the outcome reported on and reviewed.</p>
Specifications:	<p>Numerator: Number of patients with epithelial ovarian cancer who undergo surgery that die within 30 days of treatment.</p> <p>Denominator: All patients with epithelial ovarian cancer who undergo surgery.</p> <p>Exclusions: • No exclusions.</p>
Target:	<5%

QPI 15 - Surgical management in ovarian cancer

QPI Title:	Patients with epithelial ovarian cancer should undergo primary or delayed surgery with the aim to achieve complete cytoreduction.
Description:	<p>Proportion of patients with epithelial ovarian cancer undergoing surgery where complete cytoreduction is achieved following surgical resection.</p> <p>Please note: The specifications of this QPI have been separated to allow clear measurement of the following:</p> <ul style="list-style-type: none"> (i) Patients with stage 1 –3A* who undergo primary surgery; (ii) Patients with stage 1 –3A* who undergo primary surgery and achieve complete cytoreduction; (iii) Patients with stage 3B and above* who undergo surgery (primary or delayed); and (iv) Patients with stage 3B and above* who undergo surgery (primary or delayed) and achieve complete cytoreduction.
Rationale and Evidence:	<p>Evidence shows that most women with ovarian cancer present with advanced disease. Surgery along with chemotherapy remains the optimal treatment for women with advanced ovarian cancer.⁵</p> <p>The objective of performing surgery on women with epithelial ovarian cancer, whether before chemotherapy or after chemotherapy, is complete resection of all macroscopic disease⁴. This is not always possible in patients with advanced disease because of widespread involvement of peritoneal surfaces, bowel mesentery and serosa of the bowel.</p> <p>Improved patient outcomes are observed in patients with no visible residual disease following surgical resection.</p> <p>Patients with stage 1-3A epithelial ovarian cancer have either disease confined to the pelvis or microscopic abdominal disease therefore complete cytoreduction at primary surgery is feasible in most case. A small number of patients are not fit for surgery or require total pelvic exenteration to clear the disease and the tolerance allowed within the target reflects this.</p>

*Final stage of disease as agreed at MDT

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QPI 15 - Surgical management in ovarian cancer (continued)

Specification (i):	<p>Numerator: Number of patients with stage 1-3A epithelial ovarian cancer who undergo primary surgery.</p> <p>Denominator: All patients with stage 1–3A epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>90%</p> <p>The tolerance within this target accounts for the fact that not all patients are suitable for surgery due to fitness levels / co-morbidities or disease requiring primary total pelvic exenteration.</p>
Specification (ii):	<p>Numerator: Number of patients with stage 1-3A epithelial ovarian cancer who undergo primary surgery and achieve complete cytoreduction.</p> <p>Denominator: All patients with stage 1–3A epithelial ovarian cancer who undergo primary surgery.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>95%</p> <p>The tolerance within this target accounts for situations where complete cytoreduction may not be possible due to underestimated extent of disease or where the surgical approach requires modification due to co-morbidities or intraoperative events.</p>
Specification (iii):	<p>Numerator: Number of patients with stage 3B and above epithelial ovarian cancer who undergo surgery (primary or delayed).</p> <p>Denominator: All patients with stage 3B and above epithelial ovarian cancer.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>70%</p> <p>The tolerance in the target reflects patients who may not be fit for radical cytoreduction, progress while on chemotherapy, or die during treatment with neoadjuvant chemotherapy. Some patients will also not proceed to surgery due to the presence of clearly inoperable disease involving the root of the bowel mesentery or porta hepatis.</p>

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QPI 15 - Surgical management in ovarian cancer (continued)

Specification (iv):	<p>Numerator: Number of patients with stage 3B and above epithelial ovarian cancer who undergo surgery (primary or delayed) and achieve complete cytoreduction.</p> <p>Denominator: All patients with stage 3B and above epithelial ovarian cancer who undergo surgery (primary or delayed).</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>65%</p> <p>The tolerance within this target accounts for the fact that due to widespread involvement of peritoneal surfaces, bowel mesentery, bowel serosa or porta hepatis, it is frequently not possible to resect all visible disease.</p>

QPI 16 – Maintenance treatment for advanced stage high grade epithelial ovarian cancer

QPI Title:	Patients with advanced stage high grade (non-mucinous) epithelial ovarian cancer should be offered maintenance treatment.
Description:	Proportion of patients with stage 3 and 4 high grade (non-mucinous) epithelial ovarian cancer who have completed [‡] primary chemotherapy (with a platinum based agent) who undergo maintenance treatment.
Rationale and Evidence:	<p>There is evidence to support maintenance PARP inhibitor, maintenance PARP inhibitor and bevacizumab combination and single agent bevacizumab maintenance in advanced ovarian cancer with an improvement demonstrated in PFS and overall survival (OS).^{11,12}</p> <p>Rather than focussing on any specific agents, the QPI Review Group agreed to use the term 'maintenance treatment' in order to account for any further treatments which may become available in the future as further evidence evolves.</p>
Specifications:	<p>Numerator: Number of patients with stage 3 and 4 high grade (non-mucinous) epithelial ovarian cancer who have completed primary chemotherapy (with a platinum based agent) and undergo maintenance treatment.</p> <p>Denominator: All patients with stage 3 and 4 high grade (non-mucinous) epithelial ovarian cancer who have completed primary chemotherapy (with a platinum based agent).</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • Patients with clear cell ovarian cancer. • Patients who decline maintenance treatment.
Target:	<p>65%</p> <p>The tolerance within this target accounts for situations where disease may progress during chemotherapy or for those patients with co-morbidities that preclude maintenance treatment.</p> <p>Please note: varying evidence exists regarding the most appropriate target level therefore this may need redefined in the future, to take account of new evidence or as further data becomes available.</p>

[‡] 'Completed' is defined as those patients who have completed a minimum of 3 cycles of chemotherapy.

QPI 17 – MDT review of patients with advanced epithelial cancer following 3 cycles of neoadjuvant chemotherapy

QPI Title:	Patients with stage 3 and above epithelial ovarian cancer undergoing chemotherapy should be reviewed at MDT to inform decisions on surgical management.
Description:	Proportion of patients with stage 3 and above epithelial ovarian cancer who have completed 3 or more cycles of neoadjuvant chemotherapy and are discussed at a regional MDT following the 3rd cycle of treatment.
Rationale and Evidence:	<p>Patients should be discussed at MDT with CT for consideration of interval debulking surgery (IDS) or continuation of chemotherapy with a view to delayed debulking surgery (DDS).</p> <p>This will provide a platform for a strict pathway to be followed so that all patients following 3 cycles of chemotherapy have had reflex CT CAP with discussion at the MDT for consideration of IDS or DDS. Often the window of opportunity to perform IDS is lost due to CT not being arranged after 3 cycles.</p> <p>Performing CT after 3 cycles of chemotherapy also gives an opportunity to explore the option of DDS if IDS with complete cyto-reduction is not possible. Delaying IDS, however, harbours the risk of losing the opportunity for debulking surgery.</p> <p>Although there is no strong evidence to suggest an increase in improved disease free survival (DFS) and overall survival (OS) for patients undergoing IDS following 3-4 cycles of chemotherapy in comparison with after 5-6 cycles, there is evidence from cohort studies to show improved OS and DFS following complete cytoreduction (either after 3-4 or 5-6 cycles).¹³⁻¹⁶</p>
Specifications:	<p>Numerator: Number of patients with stage 3 and above epithelial ovarian cancer who have completed 3 or more cycles of neoadjuvant chemotherapy and are discussed at a regional MDT following the 3rd cycle of treatment.</p> <p>Denominator: All patients with stage 3 and above epithelial ovarian cancer who have completed 3 or more cycles of neoadjuvant chemotherapy.</p> <p>Exclusions:</p> <ul style="list-style-type: none"> • No exclusions.
Target:	<p>95%</p> <p>The tolerance within this target accounts for patients who may not get discussed due to significant co-morbidities or who die prior to MDT discussion.</p>

7. Survival

Improving survival forms an integral part of the national cancer quality improvement programme. Ovarian cancer survival analysis will be reported and analysed on a 3 yearly basis by Public Health Scotland (PHS). The specific issues which will be addressed 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 Ovarian Cancer QPI Group has identified, during the QPI development process, the following issues for survival analysis:

- 1 year or 5 year survival rates

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 is scheduled as per the national survival analysis and reporting timetable, agreed with the National Cancer Quality Improvement Board and Scottish Cancer Strategic Board. This reflects the requirement for record linkage and the more technical requirements of survival analyses which makes it difficult for individual Boards to undertake routinely and in a nationally consistent manner.

8. Areas for Future Consideration

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

The following areas for future consideration have been raised across the lifetime of the Ovarian Cancer QPIs.

- Surgery for recurrent ovarian cancer.
- Timeliness of adjuvant chemotherapy.
- Recording of Chemotherapy Response Score (CRS)
- Access to whole genome sequencing in epithelial ovarian cancer

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 3 and 4 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 Strategic Board
 - Accountable for overall national cancer quality programme and overseeing the quality of cancer care across NHSScotland.
- Healthcare Improvement Scotland
 - Proportionate scrutiny of performance.

- Support performance improvement.
- Quality assurance: ensure robust action plans are in place and being progressed via regions/Boards to address any issues identified.
- Public Health Scotland (PHS)
 - Publish national comparative report on tumour-specific QPIs and survival analysis for approximately three tumour types per annum 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 monitor progress against agreed actions.
- Provide assurance to NHS Board Chief Executive Officers and Scottish Cancer Strategic Board 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.

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11. 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 ovarian cancer QPIs and a search narrative were defined and agreed by the Ovarian Cancer QPI Development Group. The table below shows the final search criteria used in the literature search.

Inclusion	Exclusion
<p>Topics (population/patient): epithelial ovarian, fallopian tube, and primary peritoneal carcinomas</p> <p>Topics (intervention): Diagnosis, staging, surgery, non-surgical management, treatment, chemotherapy, radiotherapy, intraperitoneal therapy, and hormone therapy.</p> <p>Adults only</p> <p>Date: 2005 to present day</p> <p>Language: English only</p>	<p>Topics:</p> <p>Related cancers, including:</p> <ul style="list-style-type: none"> • Borderline ovarian carcinoma • Pseudomyxoma peritonei • Germ cell tumours of the ovary • Sex cord stromal tumours • Neuroendocrine tumours • Secondary ovarian cancers <p>Communication/information, end of life care, pain management, prevention, and screening.</p> <p>Guidelines for the conduct of clinical trials (topic for generic QPI development).</p>

Table 1 – Ovarian Cancer 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.

Seventeen guidelines were appraised for quality using the AGREE II¹⁷ instrument. This instrument assesses the methodological rigour and precision used when developing a guideline. Twelve were recommended for use, three were not recommended, and two were consensus guidelines on management of ovarian cancer in pregnancy.

Indicator Development

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 2013 where the Ovarian Cancer 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 ovarian cancer and the wider public were given the opportunity to influence the development of Ovarian Cancer 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 Ovarian Cancer QPI Development Group and used to produce and refine the final indicators.

Ovarian Cancer QPI Development Group Membership (2013)

Name	Designation	Cancer Network/NHS Board
John Dewar	Consultant Clinical Oncologist	(CHAIR)
Elsa Armstrong	Data Manager	NOSCAN/NHS Grampian
Kevin Burton	Consultant Gynaecological Oncologist	WoSCAN/NHS Greater Glasgow and Clyde
Nancy Burns	Ward Manager	SCAN/NHS Lothian
John Burton	Consultant Radiologist	NOSCAN/NHS Tayside
Kevin Campbell	Project Manager	WoSCAN
Barbara Flont	Consultant Radiologist	NOSCAN/NHS Highland
Ros Glasspool	Consultant Medical Oncologist	WoSCAN/NHS Greater Glasgow and Clyde
Charley Gourley	Consultant Medical Oncologist	SCAN/NHS Lothian
Simon Herrington	Consultant Pathologist	NOSCAN/NHS Tayside
Michelle Hilton-Boon	Programme Manager	Health Improvement Scotland
Sue Lassman	Consultant Radiologist	WoSCAN/NHS Greater Glasgow and Clyde
Claire Mckenzie	Audit Facilitator	SCAN/NHS Lanarkshire
Ethel McLean	Audit Facilitator	WoSCAN/NHS Ayrshire and Arran
Wendy McMullan	Consultant Gynaecologist	NOSCAN/NHS Tayside
Cameron Martin	Consultant Gynaecologist	SCAN/NHS Lothian
Lorna Maule	Macmillan Gynaecology Clinical Nurse Specialist	WoSCAN/NHS Tayside
David Millan	Consultant Pathologist	WoSCAN/NHS Greater Glasgow and Clyde

Name	Designation	Cancer Network/NHS Board
Kathryn Morton	Consultant Pathologist	WoSCAN/NHS Greater Glasgow and Clyde
Brian Murray	Principal Information Development Manager	Information Services Division
David Parkin	Consultant Gynaecological Oncologist	NOSCAN/NHS Grampian
Nick Reed	Consultant Clinical Oncologist	WoSCAN/NHS Greater Glasgow and Clyde
Rae Roan	Gynaecological Clinical Nurse Specialist	WoSCAN/NHS Greater Glasgow and Clyde
Nadeem Siddiqui	Consultant Gynaecological Oncologist	WoSCAN/NHS Greater Glasgow and Clyde
Evelyn Thomson	Regional Manager (Cancer)	WoSCAN/NHS Greater Glasgow and Clyde
Radha Todd	Consultant Medical Oncologist	NOSCAN/NHS Grampian
Ewen Walker	Consultant Gynaecologist	WOSCAN/NHS Greater Glasgow and Clyde
Alistair Williams	Consultant Pathologist	SCAN/NHS Lothian

NOSCAN - North of Scotland Cancer Network

SCAN - South East Scotland Cancer Network

WoSCAN - West of Scotland Cancer Network

Appendix 2: Ovarian Cancer QPI Formal Reviews

Formal review of the Ovarian Cancer QPIs was undertaken for the first time in September 2017. A Formal Review Group was convened, chaired by Ms Iona Reid (Consultant Breast Surgeon, NHS Greater Glasgow and Clyde). Membership of this group is outlined below.

Ovarian Cancer QPI Formal Review Group Membership (2017)

Name	Designation	Cancer Network
Iona Reid	Consultant Breast Surgeon (CHAIR)	WoSCAN
Kevin Burton	Consultant Gynaecological Oncologist	WoSCAN
Mary Cairns	Consultant Gynaecological Oncologist	NOSCAN
Kevin Campbell	MCN Manager	WoSCAN
Jen Doherty	Project Co-ordinator	National Cancer Quality Programme
Melanie Mackean	Consultant Medical Oncologist	SCAN
Cameron Martin	Consultant Gynaecologist	SCAN
Lorraine Stirling	Project Officer	National Cancer Quality Programme
Chris Urquhart	Audit Manager	NOSCAN

Formal review of the Ovarian Cancer QPIs has been undertaken in consultation with various other clinical specialties e.g oncology and pathology.

NOSCAN - North of Scotland Cancer Network

SCAN - South East Scotland Cancer Network

WoSCAN - West of Scotland Cancer Network

2nd Cycle Formal Review

The 2nd Cycle of Formal Review commenced in November 2020 following reporting of 6 years of QPI data. This cycle of review is more selective and focussed on ensuring the ongoing clinical relevance of the QPIs. A Formal Review Group was convened with Mr Param Mariappan, Consultant Urological Surgeon, SCAN appointed as Clinical Advisor/Chair to the group. Membership of this group is outlined below.

Ovarian Cancer QPI Formal Review Group Membership (2020)

Name	Designation	Cancer Network
Param Mariappan	Consultant Urological Surgeon - (CHAIR)	SCAN
Jennifer Brown	Consultant Medical Oncologist	WoSCAN
Kevin Burton	Consultant Gynaecological Oncologist and Clinical Lead	WoSCAN

Name	Designation	Cancer Network
Mary Cairns	Consultant Gynaecological Oncologist	NCA
Jen Doherty	Project Co-ordinator	National Cancer Quality Programme
Michelle Ferguson	Consultant Medical Oncologist	NCA
Ros Glasspool	Consultant Medical Oncologist	WoSCAN
Anne-Marie Hobkirk	Health Intelligence Analyst	NCA
Carol Marshall	Audit Manager	WoSCAN
Cameron Martin	Consultant Gynaecological Oncologist and Clinical Lead	SCAN
Bryan McKellar	Programme Coordinator	NCA
Rachel Nirsimloo	Medical Oncologist	SCAN
Fiona Nussey	Consultant Medical Oncologist	SCAN
Barbara Stanley	Consultant Medical Oncologist	WoSCAN
Lorraine Stirling	Project Officer	National Cancer Quality Programme

Formal review of the Ovarian Cancer QPIs has been undertaken in consultation with various other clinical specialties e.g pathology.

NCA - North Cancer Alliance
 SCAN - South East Scotland Cancer Network
 WoSCAN - West of Scotland Cancer Network

3rd Cycle Formal Review

The 3rd cycle of formal review commenced in September 2023. Mr Colin McKay, Consultant Surgeon & Deputy Medical Director was appointed as Clinical Advisor/Chair to the group. Membership of this group is outlined below:

Ovarian Cancer QPI Formal Review Group Membership (2023)

Name	Designation	Cancer Network
Colin McKay (Chair)	Consultant Surgeon & Deputy Medical Director	WoSCAN
Sarah Bell	Consultant Pathologist	WoSCAN
Jennifer Brown	Consultant Medical Oncologist	WoSCAN
Kevin Campbell	MCN & Improvement Manager	WoSCAN
Kate Connelly	Consultant Medical Oncologist	SCAN
Helen Creedon	Consultant Medical Oncologist	SCAN

Name	Designation	Cancer Network
Jen Doherty	Project Co-ordinator	National Cancer Quality Programme
Stanka Easton	Acting Senior Cancer Information Analyst	SCAN
Ros Glasspool	Consultant Medical Oncologist	SCAN
Charlie Gourlay	Consultant Medical Oncologist	SCAN
Nidal Ghaoui	Clinical Lead	SCAN
Mahalakshmi Gurumurthy	Consultant Gynaecological Oncologist	NCA
Rhona Lindsay	Clinical Lead	WoSCAN
Julie McMahon	Information Analyst	WoSCAN
Nazleen Muhammadgowdh	Consultant Radiologist	NCA
Patricia Roxburgh	Consultant Medical Oncologist & Lead Clinician for Cancer Genomics	WoSCAN
Lorraine Stirling	Project Officer	National Cancer Quality Programme
Chee Thum	Consultant Pathologist	SCAN
Serena Venegoni	Programme Coordinator	NCA

Formal review of the Ovarian Cancer QPIs has been undertaken in consultation with various other clinical specialties e.g. pathology.

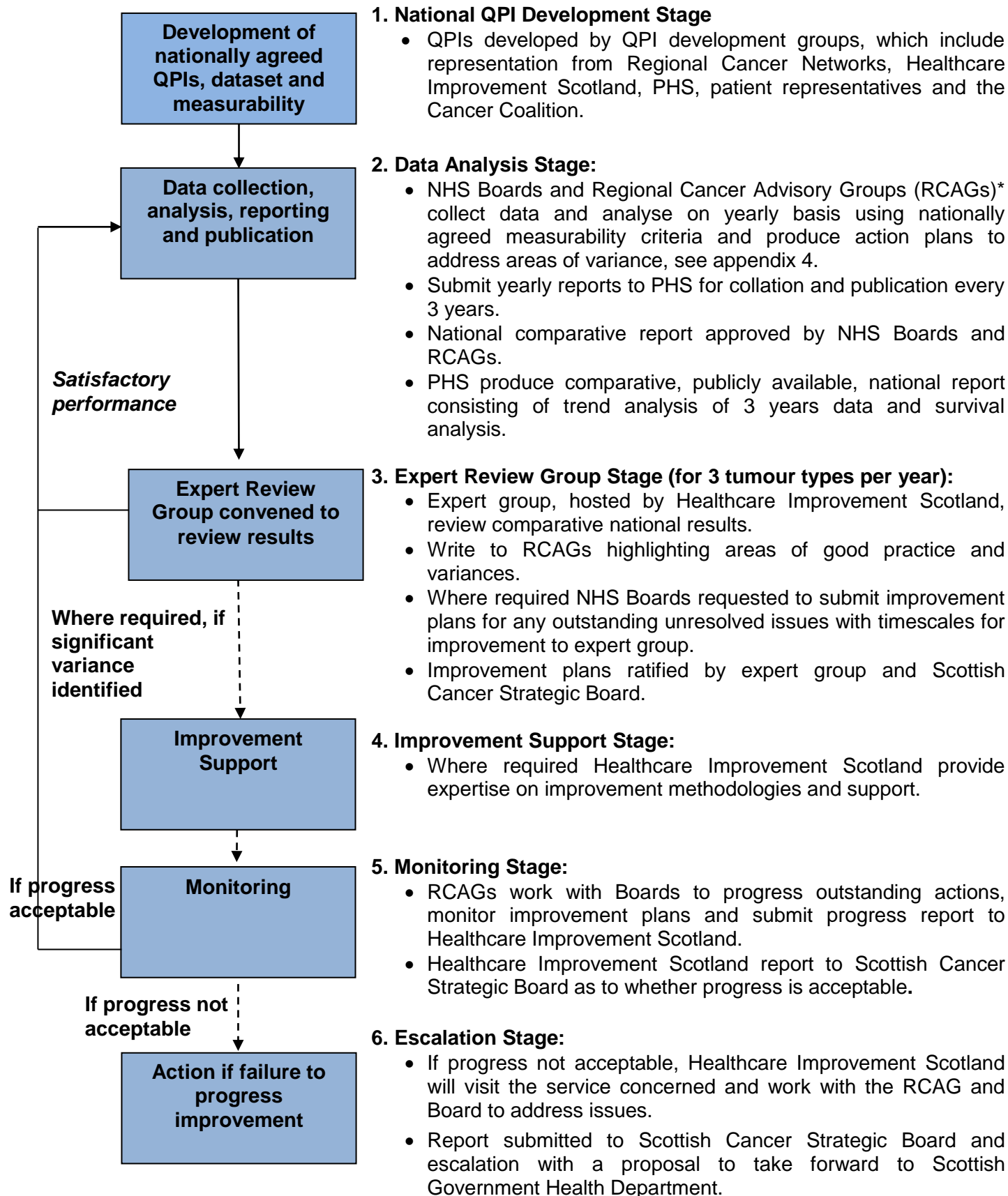
NCA - North Cancer Alliance

SCAN – South East Scotland Cancer Network

WoSCAN – West of Scotland Cancer Network

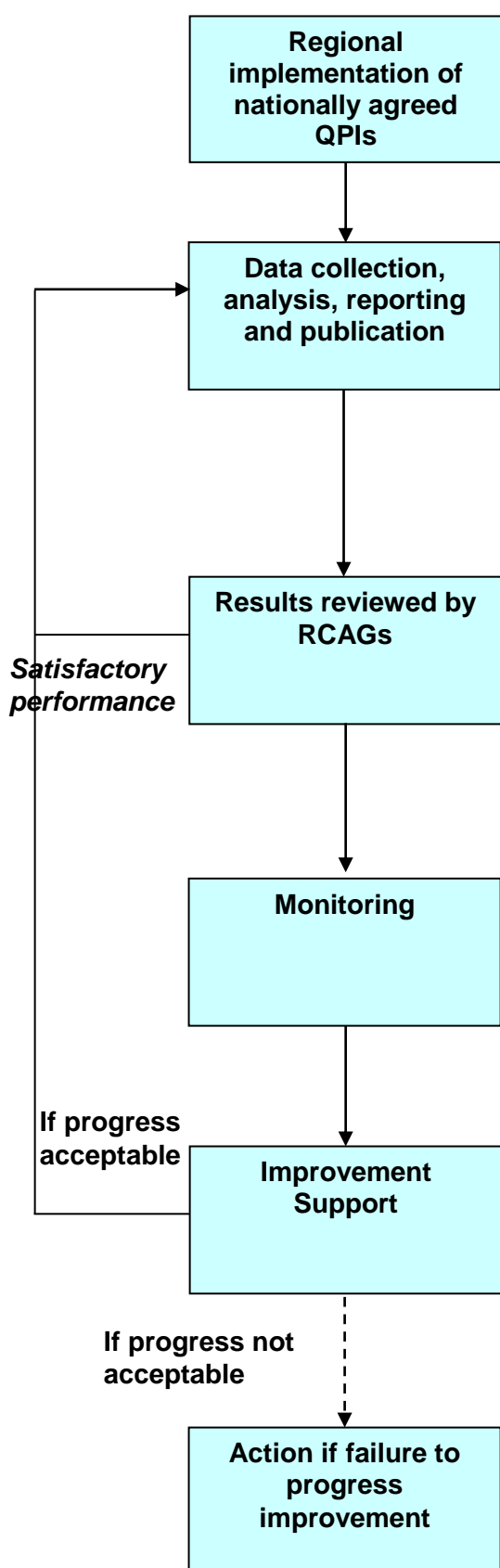
Appendix 3: 3-Yearly National Governance Process & Improvement Framework for Cancer Care

This process is underpinned by the annual regional reporting and governance framework (see appendix 4).



*The Regional Cancer Planning Group (South and East of Scotland) and the North Cancer Clinical Leadership Group (North Cancer Alliance) are equivalent to the Regional Cancer Advisory Group (RCAG) in the West of Scotland.

Appendix 4: Regional Annual Governance Process and Improvement Framework for Cancer Care



1. Regional QPI Implementation Stage:

- National cancer QPIs and associated national minimum core dataset and measurability specifications, developed by QPI development groups.
- Regional implementation of nationally agreed dataset to enable reporting of QPIs.

2. Data Analysis Stage:

- NHS Boards collect data and data is analysed on a yearly basis using nationally agreed measurability criteria at local/ regional level.
- Data/results validated by Boards and annual regional comparative report produced by Regional Networks.
- Areas of best practice and variance across the region highlighted.
- Yearly regional reports submitted to PHS for collation and presentation in national report every 3 years.

3. Regional Performance Review Stage:

- RCAGs* review regional comparative report.
- Regional or local NHS Board action plans to address areas of variance developed.
- Appropriate leads identified to progress each action.
- Action plans ratified by RCAGs.

4. Monitoring Stage:

- Where required, NHS Boards monitor progress with action plans and submit progress reports to RCAGs.
- RCAGs review and monitor regional improvement.

5. Improvement Support Stage:

- Where required Healthcare Improvement Scotland maybe requested to provide expertise to NHS Boards/RCAGs on improvement methodologies and support.

6. Escalation Stage:

- If progress not acceptable, RCAGs will escalate any issues to relevant Board Chief Executives. If progress remains unacceptable RCAGs will escalate any relevant issues to Healthcare Improvement Scotland.

*The Regional Cancer Planning Group (South and East of Scotland) and the North Cancer Clinical Leadership Group (North Cancer Alliance) are equivalent to the Regional Cancer Advisory Group (RCAG) in the West of Scotland.

Appendix 5: Glossary of Terms

Abdomen	The abdomen contains the stomach, liver, kidneys, bladder, in women it also contains the ovaries and uterus
Bilateral	Affecting both the right and left sides of the body.
Bilateral Salpingo–oophorectomy(BSO)	The term used to describe the removal of both ovaries and both fallopian tubes.
Biopsy	Removal of a sample of tissue from the body to assist in diagnosis of a disease.
BRCA1 (breast cancer susceptibility gene 1) and BRCA2 mutation (breast cancer susceptibility gene 2)	Specific genetic markers identifying an increased risk of breast and ovarian cancer.
CA125 (cancer antigen 125 or carbohydrate antigen 125)	The most frequently used biomarker for ovarian cancer detection The CA125 tumour marker or biomarker that may be elevated in the blood of some patients with ovarian cancer.
Carcinoma	Cancer that begins in the skin or in tissues that line or cover internal organs.
Chemotherapy	The use of drugs that kill cancer cells, or prevent or slow their growth.
Computed Tomography (CT)	An x-ray imaging technique, which allows detailed investigation of the internal organ of the body.
Contraindication/Contraindicated	A symptom or medical condition that makes a particular treatment or procedure inadvisable because a person is likely to have a bad reaction.
Cytological/ Cytopathological	The study of the structure and function of cells under the microscope, and of their abnormalities.
Cytoreduction	A decrease in number of cells, as in a tumour.
Cytotoxic Treatment	Toxic to cells. This term is used to describe drugs which kill cancer cells or slow their growth.
Diagnosis/ Diagnosed	The process of identifying a disease, such as cancer, from its signs and symptoms.
Elective/ Elective Surgical Procedure	An elective procedure is one that is chosen by the patient or doctor that is advantageous to the patient but is not urgent.
Emergency Surgery	Unscheduled surgery performed promptly and often for lifesaving purposes.
Epithelial Ovarian Cancer	A disease in which malignant cancer cells form in the tissue covering the ovary.
Fallopian Tube	Also known as uterine tube or oviduct, either of a pair of long narrow ducts located in the female abdomen.
FIGO Stage	An international system of staging is used, and identifies the spread of the ovarian cancer at the point of diagnosis
First-line/ Primary treatment	Initial treatment used to reduce or treat a cancer.
Histological/ Histopathological/ Histology	The study of the structure, composition and function of tissues under the microscope, and their abnormalities.
HRD Testing	Testing carried out to identify a particular tumour characteristic (Homologous recombination deficiency (HRD)) which helps to inform treatment decisions.
Invasive	Cancer that can or has spread from its histological original site.
Lesion	Tumour, mass, or other abnormality.
Locally advanced	Cancer that has spread from where it started to nearby tissue or lymph nodes.
Magnetic Resonance	A procedure in which radio waves and a powerful magnet

Imaging (MRI)	linked to a computer is used to create detailed pictures of areas inside the body. These pictures can show the difference between normal and diseased tissue.
Maintenance Treatment	Treatment that is given to help prevent cancer returning after initial treatment has been completed.
Malignant	Cancerous. Malignant cells can invade and destroy nearby tissue and spread to other parts of the body.
Metastases / Metastatic disease	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.
Morphology	The science of the form and structure of organisms (plants, animals, and other forms of life).
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 any specific region, age group, disease or other classification, usually expressed as deaths per 1000, 10,000 or 100,000.
Multi-disciplinary team meeting (MDT)	A meeting which is held on a regular basis, which is made up of participants from various disciplines appropriate to the disease area, where diagnosis, management, and appropriate treatment of patients is discussed and decided.
National Institute for Clinical Effectiveness (NICE)	An independent organisation responsible for providing NHS England with guidance on promoting good health and preventing and treating ill health.
Neoadjuvant therapy/ treatment	Drug treatment which is given before the treatment of a primary tumour with the aim of improving the results of surgery and preventing the development of metastases.
Omentum	A double layer of peritoneum attached to the stomach and linking it with other abdominal organs, such as the liver, spleen and intestine.
Omentectomy	The removal of all or part of the omentum.
Palliative	Anything which serves to alleviate symptoms due to the underlying cancer but is not expected to cure it.
Pathological	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 post mortem.
Pathologist	A doctor who identifies diseases by studying cells and tissues under a microscope.
Pelvic/Pelvis	Having to do with the pelvis (the lower part of the abdomen located between the hip bones).
Percutaneous	Access to inner organs or tissue is carried out via 'needle puncture' to the skin rather than an open procedure.
Primary Tumour	The original tumour.
Prognosis	An assessment of the expected future course and outcome of a person's disease.
Prognostic indicators	Factors, such as staging, tumour type or deprivation that may influence treatment effectiveness and outcomes.
Progression	In medicine, the course of a disease, such as cancer, as it becomes worse or spreads in the body.
Prophylactic	To prevent the occurrence of disease.
Randomised Clinical Trials	A study to test a specific drug or other treatment in which people are randomly assigned to two (or more) groups: one (the experimental group) receiving the treatment that is being

	tested, and the other (the comparison or control group) receiving an alternative treatment, a placebo (dummy treatment) or no treatment. The two groups are followed up to compare differences in outcomes to see how effective the experimental treatment was. (Through randomisation, the groups should be similar in all aspects apart from the treatment they receive during the study.)
Resectable	Able to be removed (resected) by surgery.
Risk of Malignancy Index (RMI I)	RMI score derived from measure of serum CA125, ultrasound imaging and menopausal status RMI I = U x M x CA125
Risk Factor	Something that is known to increase your chances of getting a disease.
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.
Surgery/Surgical resection	Surgical removal of the tumour/lesion.
Surgical intervention	A surgical measure with the purpose of improving health or altering the course of disease.
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.
Symptomatic	Having to do with symptoms, which are signs of a condition or disease.
Systemic 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.
Taxanes	A type of chemotherapy agent which includes paclitaxel and docetaxel.
Total Abdominal Hysterectomy (TAH)	A total abdominal hysterectomy is an operation to remove the womb (uterus) through an incision in the tummy known as a laparotomy.
Toxicity	The extent to which something is poisonous or harmful.
Treatment Intent	The reason for which treatment is given, that is, whether the treatment is intended to cure the disease or to alleviate symptoms.
Tumour size	The size of a cancer measured by the amount of space taken up by the tumour.
ug/l	Micrograms per litre.
Ultrasound	An imaging test that bounces sound waves off tissues and converts the echoes into pictures.