Stage 2 HALO Guide *Domains of Learning, Stage Learning Outcomes, and Key Capabilitie*s

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# Professional Behaviours and Communication

##

## Examples of Evidence

### Experience & Logbook

* range of surgical specialties and patient groups in theatre setting, obstetrics, pre-operative assessment clinics and Intensive Care Unit.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* discussion with patients’ relative on ICU
* formulation of treatment plan for a patient with complex needs in the pre-operative assessment clinic or ICU setting and discussion of this plan with the wider team
* professional behaviours during an emergency situation in theatre, ICU, A&E etc
* leadership in theatre lists (ALMAT)
* high standards in prescribing medication.

### Personal Activities and Personal Reflections may include:

* simulation and other courses such as resuscitation, communication skills, inter-hospital transfer
* awareness and application of Caldicott principles
* participation in junior doctors forum meetings
* delivery of teaching sessions and feedback.

### Other evidence

* satisfactory MSF

## Cross links with other domains and capabilities

* *Safety and Quality Improvement*
* *Education and Training*
* all specialty specific domains

# Management and Professional and Regulatory Requirements

## Examples of Evidence

### Experience & Logbook

* involvement with Anaesthetic Departmental Activities.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* ability to use hospital investigation IT systems, electronic prescribing, electronic medical records
* participation in patient advice and decision-making pathway in pre-operative assessment
* obtaining consent for procedures

### Personal Activities and Personal Reflections may include:

* management of a project in the anaesthetic department such as a teaching programme, QI project, rota administration for anaesthetists in training
* attendance at departmental business meetings
* courses or eLearning: NHS structure and management, NICE guidance on shared decision making.

## Cross links with other domains and capabilities

* *Safety and Quality Improvement*
* *Education and Training*
* *Perioperative Medicine and Health Promotion*

# Team working

## Examples of Evidence

### Experience & Logbook

* range of surgical specialties and patient groups in theatre setting, obstetrics, pre-operative assessment clinics and Intensive Care Unit.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* supervision of more junior anaesthetists in training out of hours
* ability to lead resuscitation teams in the clinical setting
* leadership and management of theatre teams (ALMAT)
* decision making in clinical management of cases in theatre etc.

### Personal Activities and Personal Reflections may include:

* completion of resuscitation courses
* simulation training
* being part of simulation course faculty
* reflection on constructive feedback given to colleague
* portfolio evidence of personal development plans and regular meetings with educational supervisors.

### Other evidence

* Satisfactory MSF

## Cross links with other domains and capabilities

* *Safety and Quality Improvement*
* *Resuscitation and Transfer*
* all specialty specific domains.

# Safety and Quality Improvement

## Examples of Evidence

### Experience & Logbook

* involvement in QI activities within Anaesthetics department and experience of hospital wide QI and risk assessment.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* leadership of local QI project
* presentation of QI project results
* implementation of QI project outcomes recognizing challenges eg sustainability, up-scaling, spreading
* A-QIPAT
* case(s) resulting in completion of incident form
* observance of theatre safety practices such as Stop Before You Block, WHO checklist.

### Personal Activities and Personal Reflections may include:

* Courses or eLearning: quality improvement methodology, medicines management, human factors
* Reflection on critical incident
* Involvement with critical incident investigations
* Attendance at quality improvement meetings

## Cross links with other domains and capabilities

* *Professional Behaviours and Communication*
* *Team working*
* *Perioperative Medicine and Health Promotion*
* *Resuscitation and Transfer*
* other specialty specific domains.

# Safeguarding

## Examples of evidence

### Experience & Logbook

* range of surgical specialties and patient groups in theatre setting, obstetrics, pre-operative assessment clinics and Intensive Care Unit.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* management of consent with a child or adolescent involving parents
* knowledge of the local procedure for referral of a child for safeguarding concerns
* involvement with cases where there are safeguarding issues with children or adults
* adjustment to pre-operative assessment and consent when dealing with vulnerable adults or children
* involvement with cases dealing with vulnerable adults and children as listed in key capability E.

### Personal Activities and Personal Reflections may include:

* attendance at local mandatory training including safeguarding, information governance and mental capacity act
* experience of the involvement of an Independent Mental Capacity Advocate

## Cross links with other domains and capabilities

* *Professional Behaviours and Communication*
* *Education and Training*
* all specialty specific domains.

# Education and Training

## Examples of Evidence

### Experience & Logbook

* range of clinical experience taking advantage of all opportunities for teaching and learning.

### Supervised Learning Events (SLEs) can be used to demonstrate:

* use of SLEs throughout stage of training to facilitate learning and guide progress
* supervision of more junior colleague.

### Personal Activities and Personal Reflections may include:

* courses: Teaching and training courses such as Generic Instructor (GIC), Anaesthetists as Educators
* acting as part of teaching faculty in simulation courses
* planning and delivery of teaching sessions with feedback
* development of patient information material
* involvement with development and/or delivery of department teaching programmes.

## Cross links with other domains and capabilities

* all specialty specific and generic professional domains.

# Research and Managing Data

## Examples of Evidence

### Supervised Learning Events (SLEs) can be used to demonstrate:

* use of evidence-based national or local guidelines
* accessing and interpreting evidence from the literature (CBD).

### Personal Activities and Personal Reflections may include:

* involvement in data collection as part of a local, regional or national study
* critical appraisal of journal article for example at a journal club meeting
* presentation of poster or paper at a regional or national meeting
* involvement in developing local guidelines
* appropriate use of statistics when contemplating research projects
* participation in trainee research network activities
* GCP certificate completion
* courses: research methodology, information governance.

## Cross links with other domains and capabilities

* *Safety and Quality Improvement*

# Perioperative medicine and health promotion

## Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties including emergency surgery, obstetrics, paediatrics, neuro, cardiac and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* attendance at pre-operative assessment clinics
* knowledge of NICE guidance on shared decision making
* awareness of integrated care pathways in the devolved nations
* eLearning or teaching sessions on risk scoring, cardiopulmonary exercise testing
* Final FRCA.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

## Cross links with other domains and capabilities

* *Management and Professional and Regulatory Requirements*
* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* involvement with health promotion interventions with patients in pre-operative assessment clinics such as smoking cessation, prehabilitation
* knowledge of guidance of use of blood and blood products in Jehovah’s Witnesses.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties and experience in pre-operative assessment clinics.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

* *Safeguarding*
* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties including emergency surgery, neuro, cardiac and experience in intensive care and pre-operative assessment clinics.

#### Personal activities and reflections:

* discussion with relatives of patients on Intensive Care.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities

* *Team Working*
* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties including emergency surgery, obstetrics, paediatrics, neuro, cardiac and experience in pre-operative assessment clinics
* demonstration of application of adjustments for patient groups described above.

#### Personal activities and reflections:

* knowledge of local and national guidance on management of anaemia peri-operatively.

### ****Suggested supervision level****

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties including emergency surgery.

### ****Suggested supervision level****

ASA 1-3 children aged 1-5:

* 2a - supervisor in theatre suite, available to guide aspects of activity through monitoring at regular intervals

ASA 1-3 children aged 5 and over:

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in obstetrics including out of hours work and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* attendance at obstetric anaesthesia clinics.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities.

* *General Anaesthesia*
* *Regional Anaesthesia*
* *Resuscitation and Transfer*
* *Intensive Care*

# General Anaesthesia

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including paediatrics.

#### Personal activities and reflections:

* Final FRCA.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*
* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*
* *Regional anaesthesia*
* *Pain*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including out of hours work, trauma.

#### Personal activities and reflections:

* mandatory training: blood transfusion.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance

### Cross links with other domains and capabilities.

* *Perioperative Medicine and Health Promotion O*
* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training including out of hours work and experience in major trauma centre and neurosurgery.

#### Personal activities and reflections:

* Simulation training: Trauma resuscitation.

### ****Suggested supervision level****

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including obstetrics, neuro and bariatric surgery.

#### Personal activities and reflections:

* courses and eLearning: Anaesthesia for the obese patient.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities.

* *Safety and Quality Improvement*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties.

#### Personal activities and reflections:

* Final FRCA

### ****Suggested supervision level****

* not applicable.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*
* *Regional Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including ENT and Maxillo-facial surgery.

#### Personal activities and reflections:

* simulation courses: airway management.

### Suggested supervision level

* refer to practical procedures grid for details of airway management.

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties.

#### Personal activities and reflections:

* Final FRCA.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*
* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training. Case examples could come from radiology, ECT, cardioversion, Emergency Department.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* General Anaesthesia
* Resuscitation and Transfer

### Examples of Evidence

* SLEs from experience in neurosurgery.

#### Personal activities and reflections:

* Final FRCA

### Suggested supervision level

* 2a - supervisor in theatre suite, available to guide aspects of activity through monitoring at regular intervals.

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs from experience in cardiac and thoracic surgery.

#### Personal activities and reflections:

* Final FRCA.

### Suggested supervision level

* 2a - supervisor in theatre suite, available to guide aspects of activity through monitoring at regular intervals.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*

### Examples of Evidence

* SLEs from experience in ophthalmic surgery and trauma.

#### Personal activities and reflections:

* eLearning: ophthalmic anaesthesia.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

* *General Anaesthesia*
* *Regional Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in obstetrics including out of hours work and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* attendance at obstetric anaesthesia clinics
* simulation training: obstetric emergencies.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*
* *General Anaesthesia*
* *Regional Anaesthesia*
* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training in paediatric anaesthesia including out of hours work and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* simulation or other courses: paediatric anaesthesia.

### Suggested supervision level

for ASA 1-3 children aged 1-5:

* 2a - supervisor in theatre suite, available to guide aspects of activity through monitoring at regular intervals

for children 5 years and above:

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*

### Examples of Evidence

* SLEs from appropriate surgical specialties.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *General Anaesthesia*

# Regional anaesthesia

## Stage learning outcome

* *Performs a wider range of regional anaesthetic techniques*

### Examples of Evidence

* SLEs for appropriate cases (DOPS).

#### Personal activities and reflections:

* use of part-task simulator
* simulation or other courses: Use of ultrasound, regional anaesthesia.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Safety and Quality Improvement*

### Examples of Evidence

* SLEs for appropriate cases (DOPS).

#### Personal activities and reflections:

* use of part-task simulator
* simulation or other courses: use of ultrasound, regional anaesthesia.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Safety and Quality Improvement*

### Examples of Evidence

* SLEs for appropriate cases.

#### Personal activities and reflections:

* eLearning: ophthalmic regional anaesthesia.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

* *General Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including obstetrics and experience in pre-operative assessment clinics.

#### Personal activities and reflections:

* attendance at pre-operative and obstetric anaesthesia clinics.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including obstetrics.

#### Personal activities and reflections:

* Pain rounds, post-natal follow up.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *General Anaesthesia*
* *Pain*

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including obstetrics.

#### Personal activities and reflections:

* courses and eLearning: complications of regional anaesthesia, scientific meetings on regional anaesthesia.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

### Examples of Evidence

* SLEs throughout stage of training in a range of surgical specialties including obstetrics.

#### Personal activities and reflections:

* review of local and national guidelines for regional anaesthesia in patients on anticoagulant drugs.

### Suggested supervision level

* not applicable.

### Cross links with other domains and capabilities

* *Safety and Quality Improvement*
* *Perioperative Medicine and Health Promotion*

# Resuscitation and Transfer

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* simulation courses: adult life support, trauma resuscitation, and transfer.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Team Working*
* *Perioperative Medicine and Health Promotion*
* *General Anaesthesia*
* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* simulation courses: neonatal resuscitation, paediatric life support.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* medical ethics.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Professional Behaviours and Communication*
* *Safeguarding*
* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* simulation courses: trauma resuscitation.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *General Anaesthesia*
* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* simulation courses: transfer.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *Intensive Care*

### Examples of Evidence

* SLEs throughout stage of training including out of hours experience.

#### Personal activities and reflections:

* simulation courses: trauma resuscitation, transfer

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance.

### Cross links with other domains and capabilities

* *General Anaesthesia*
* *Intensive Care*

# Procedural sedation

### Examples of Evidence

* SLEs throughout stage of training in appropriate cases eg ophthalmic surgery, trauma, dentistry, endoscopy, Intensive Care, cardioversion.

#### Personal activities and reflections:

* courses and eLearning: sedation scoring
* knowledge of local sedation guidelines and protocols.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities

* *General Anaesthesia*
* *Resuscitation and Transfer*
* *Intensive Care*

# Pain

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties, acute pain ward rounds, and from specialist pain clinics
* examples: regional anaesthesia techniques for post-operative pain
* management plans for the transition to oral analgesia from PCA, neuraxial or regional anaesthesia techniques.

#### Personal activities and reflections:

* leading pain round
* attendance at specialist pain clinic
* biopsychosocial approach in pain management programmes and multidisciplinary reviews.

### Suggested supervision level

* 3 - supervisor on call from home for queries able to provide directions via phone or non-immediate attendance

### Cross links with other domains and capabilities

* *Professional Behaviours and Communication*
* *Team Working*
* *General Anaesthesia*
* *Regional Anaesthesia*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties and from specialist pain clinics.

#### Personal activities and reflections:

* attendance at specialist pain clinic, pain intervention lists.

### Suggested supervision level

* 2b - supervisor within hospital for queries, able to provide prompt direction/assistance.

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*

### Examples of Evidence

* SLEs throughout stage of training across range of surgical specialties and from specialist pain clinics.

### Suggested supervision Level

* Not applicable.

## Cross links with other domains and capabilities

* *Professional Behaviours and Communication*
* *Perioperative Medicine and Health Promotion*
* *General Anaesthesia*

# Intensive Care

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision level

* FICM capability level 3 (see below for details)
* supervision levels given for individual procedures in the [Practical Procedures Grid](#_Stage_2_practical).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision level

* FICM capability level 3 (see below for details)
* supervision levels given for individual procedures in the [Practical Procedures Grid.](#_Stage_2_practical)

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases
* simulation training including adult resuscitation courses.

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases
* simulation training including paediatric resuscitation courses.

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* WBAs throughout stage of training for relevant cases

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision Level

* FICM capability level 3 (see below for details).

### Cross links with other domains and capabilities

* *Professional Behaviours and Communication*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision Level

* FICM capability level 2 (see below for details).

### Cross links with other domains and capabilities

* *Perioperative Medicine and Health Promotion*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases
* simulation training
* personal activity and reflection: journal article, eLearning.

### Suggested supervision Level

* FICM capability level 1 (see below for details).

### Cross links with other domains and capabilities

* *Professional Behaviours and Communication*

### Examples of Evidence

* SLEs throughout stage of training for relevant cases.

### Suggested supervision Level

* FICM capability level 2 (see below for details).

### Cross links with other domains and capabilities

* *Resuscitation and Transfer*

## FICM Capability Levels



# Stage 2 practical procedures (with supervision levels)

