

# Clinical Skills

## Managed Educational Network

Simulation Resources in Scotland 2023





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This document should be read in conjunction with two Excel files (Simulation Courses 2023 and Simulation Equipment 2023) which contain detailed information on courses and equipment within each territorial health board.



## **EXECUTIVE SUMMARY**

Simulation is “a technique to replace or amplify real experiences with guided experiences, often immersive in nature, that evoke or replicate substantial aspects of the real world in a fully safe, instructive and interactive fashion” (Gaba, 2007). Simulation can be used for a plethora of purposes including learning, assessment and improving processes within systems. These uses of simulation will need to play significant roles in the Scottish Government’s ‘3 Rs’ framework to “Re-mobilise, Recover and Re-design” health services.

The Clinical Skills Managed Educational Network (CSMEN) has a 12-year track record of successful facilitation and delivery of award-winning simulation within a limited financial envelope. This scoping project commissioned by NHS Education for Scotland’s (NES) Nursing, Midwifery and Allied Health Professions (NMAHP) directorate, draws on the knowledge of Network members to create an overview of the current state of play in terms of other networks, people and resources within simulation based learning (SBL) across Scotland.

All health boards have invested in SBL and there is pioneering work with the establishment of medical and surgical bootcamps as well as national Pharmacy simulation. Additional work needs to be carried out to ensure that resources are invested wisely to areas of greatest need and that resources are shared within and between health boards. It is hoped that this scoping project will help with this work, supporting the creation of new relationships between people, not just for their mutual benefit, but for the benefit of the people of Scotland.

**If you would like to be involved in the next phase or wish to add to the information already collected, please contact [CSMEN@nes.scot.nhs.uk](mailto:CSMEN@nes.scot.nhs.uk)**

## 1 Introduction: Simulation, CSMEN and NMAHP

Simulation, as a technique for learning, is undergoing an exponential expansion in terms of people, places and equipment. Educators and workforce planners appreciate that simulation based learning (SBL) is a key strategic response to achieving safe and effective service provision, and a resilient and sustainable workforce. There is also a growing recognition of the need to facilitate interprofessional learning to enhance collaborative practice.

This scoping exercise was undertaken by the Clinical Skills Managed Educational Network (CSMEN), on behalf of NHS Education for Scotland's (NES) Nursing, Midwifery and Allied Health Professions (NMAHP) directorate, to determine the current resources available in the territorial health boards of Scotland and is seen as a first step to providing a detailed inventory for the skills and simulation makeup within Scotland.

The CSMEN Strategy 2021-2026 promotes a *Once for Scotland* approach to SBL, with a focus on equity of access to evidence-based training through collaboration between health boards.

The CSMEN Strategy (2021-26) has six strategic outputs summarised below:

- establish regional interprofessional skills and simulation collaboratives;
- develop new roles and support enhanced traditional roles for health and social care staff;
- enhance research evidence of resilient teamworking and other non-technical skills, with a focus on the remote and rural environment;
- accelerate recruitment and support quality training pathways;
- expand SBL in support of a National Care Service; and,
- provide clinical and managerial leadership to the Network in order to maximise productivity and disseminate good practice.

The NHS Education for Scotland's (NES) Nursing, Midwifery and Allied Health Professions (NMAHP) directorate values and embraces the use of simulation at pre- and post-registration levels to contribute towards preparing students for registration and future employment. Within these professions there are examples of innovative simulation practice to address current workforce challenges, prepare people for new roles and support newly qualified practitioners. These support skills enhancement, confidence and wellbeing.

While interprofessional learning and SBL are core components of undergraduate and pre-registration programmes they are often under-utilised in the support of collaborative practice within post-registration health and social care. Information from this scoping exercise will facilitate the sharing of good practice and promote discussion on the topic.

The purpose of this scoping exercise was to update the original report (*Audit of Clinical Skills Programmes Provision for the Scottish Regions in relation to Future Needs*) which was completed in 2008 and is part of an ongoing collaboration between the NMAHP Directorate and CSMEN. The main focus of the 2008 report was course provision; this scoping exercise also includes an equipment audit and key information regarding simulation centre facilities which will be highlighted in 2023 on the [CSMEN website](https://csmen.scot.nhs.uk) (csmen.scot.nhs.uk). The feedback on this report will guide the data acquisition for the next phase to build on the information collected and to keep the content relevant and useful.

## 2 Aims

The aims of the projects were to:

- Identify the current national, regional, and local infrastructure in territorial health boards that support access to and development of SBL for health and social care staff to meet national and local priorities.
- Map the networks, resources, people and equipment in territorial health boards that enable SBL across Scotland and between professions in order to ensure best use is made of the resources and to promote equity of access.

## 3 Methods

A questionnaire was devised requesting information on simulation centre facilities (if applicable), equipment, courses and networks available within health boards.

Initial discussions were held, via Microsoft Teams, with representatives from each territorial health board to establish a connection, explain the process and outline the benefits of the scoping exercise. The questionnaire was then sent out to the representatives from each health board for completion. Representatives providing information for this project were identified or recommended through contacts within the Clinical Skills Managed Educational Network.

Equipment information was divided into one of four groups to create a database:

- mannequins
- part-task trainers
- functioning medical equipment
- audio-visual equipment

Course information from each health board was collected and grouped under one of three headings:

- Skills (learning and refinement of a discrete movement/action, either as a whole or broken down into parts)
- Drills (progression of skills training and understanding of how actions are linked – application of the learned skill)
- Performance (simulations and scenarios often involving non-technical skills).

## 4 National Summary

The COVID-19 pandemic has catalysed and accelerated the digital transformation of health and social care. It has also focused attention on the use of simulation, in all its forms, to reduce time to competence, to promote interprofessional learning, to improve the safety of staff and those they care for and to improve safety within the complex health and social care system.

The immediate pressures on the workforce are to reduce the backlog of services interrupted by COVID-19 in new and innovative ways which support, and are supported by, high quality education. In addition, the wellbeing and safety of the workforce needs to be recognised and embraced if health and social care practitioners are to develop reliable, adaptable and sustainable ways of working with patients and clients. The Scottish Government's '3 Rs' framework to "Re-mobilise, Recover and Re-design" health services post COVID-19 recognises the need to expedite the development of an enhanced workforce.

CSMEN has a 12-year track record of successful delivery of award-winning state of the art SBL within a limited financial envelope. The [NES Strategy 2019-24](#) contains a clear commitment under Education and Training *to scale up simulation skills training to support clinical skills and human factors training* for a skilled, adaptable and compassionate workforce. There is clear evidence that the use of simulation enhances standards of skills and reduces variation in practice to prevent harm and ensure patient safety.

Some early trailblazers have shown the benefits of a national approach to the use of SBL. These include Pharmacy, and training for core medical and surgical trainees. In addition, within NMAHP, the Scottish Multiprofessional Maternity Development Programme (SMMDP), formed in 2003, is a training programme providing simulation, clinical skills-based courses, and other resources to the maternity and neonatal professionals in Scotland. Plans to enhance and expand the use of simulation for all trainees in medical specialities recognises the powerful role simulation has in creating a reliable, sustainable and flexible workforce for NHS Scotland.



In addition, the [National Clinical Strategy for Scotland](#) highlights the need for a quality workforce working effectively in multi-disciplinary and multi-organisational settings to deliver quality care. The importance of this is illustrated in the annual reports from the Chief Medical Officer on Realistic Medicine.

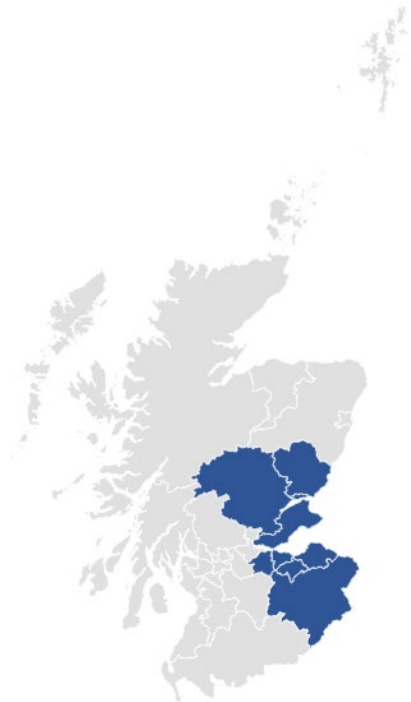
## 5 Regional Summaries

### 5.1 East and South-East Region

The East and South-East Region includes NHS Borders, Fife, Lothian and Tayside.

Contact: Siobhan Connolly - [Siobhan.Connolly@nhs.scot](mailto:Siobhan.Connolly@nhs.scot)

With the growing demand for simulation-based programmes across the East of Scotland over the last few years the risk of duplication of effort and the creation of silos of activity has increased. To address this, an East Scotland Simulation Collaborative was formed in 2022 aiming to break down barriers and promote efficient, effective, safe, and person-centred simulation-based methodologies across the network. The Collaborative was officially launched in October 2022 with enthusiastic representation from Tayside, Fife, Lothian, and Borders including both university and NHS stakeholders and a variety of professionals in attendance. The Collaborative has unanimous agreement to share appropriate resources, successes, and troubleshooting hacks on a shared online platform, meet quarterly as a collective to network, learn together, and deliver an annual regional gathering.



## 5.2 North Region



The North Region includes NHS Grampian, Highland, Orkney, Shetland and Western Isles.

Contact: Ashley Meldrum - [ashley.meldrum@nhs.scot](mailto:ashley.meldrum@nhs.scot)

The region is in the process of setting up a North of Scotland simulation collaborative similar to that in the East. It will be a forum where ideas, good practice, and resources can be shared across this vast geographical area. Currently discussions are ongoing with various healthcare professions to acquire a sense of what the gaps are in each area and what support can be offered while keeping interprofessional collaboration to the forefront. The region is looking to share practices with the senior educators from the other regions to ensure that the workforce is sustainable and meets the needs of patient groups regardless of location.

## 5.3 West Region

The West Region includes NHS Ayrshire and Arran, Dumfries and Galloway, Forth Valley, Greater Glasgow and Clyde and Lanarkshire.

Contact: Kirsty Marks - [kirsty.marks@nhs.scot](mailto:kirsty.marks@nhs.scot)

The West region is in the process of continuing to build on the work of the Healthcare Skills Simulation Collaborative set up as a direct result of the pioneering National Skills Education Hub at the NHS Louisa Jordan during the COVID-19 pandemic. The next stage of this will be a scoping exercise to refine the aims of such a collaborative. This work is being undertaken with the senior educators for the East and North regions and the senior educator for Inter-Professional Education for Scotland.



## 6 Health Board Summaries

The courses listed are as provided by the territorial health boards. Future work will include the clarification of acronyms.

### 6.1 NHS Ayrshire and Arran

NHS Ayrshire and Arran	
Contact	<a href="mailto:Linda.Bell@aapct.scot.nhs.uk">Linda.Bell@aapct.scot.nhs.uk</a> (Simulation Technician, Crosshouse) <a href="mailto:Hugh.Neill@aapct.scot.nhs.uk">Hugh.Neill@aapct.scot.nhs.uk</a> (Director of Medical Education)
Sim Centre Info	There are two education centres within NHS Ayrshire and Arran; University Hospital Ayr and University Hospital Crosshouse. These centres offer education, training, conference and catering facilities.
Networks and Collaboration	Setting up a sim user group UG sim network University of the West of Scotland
Twitter	NHS Ayrshire and Arran - @NHSaaa NHS Ayrshire and Arran Simulation - @NHSAASimulation Advanced Practice NHS Ayrshire and Arran - @AAAacuteAdvPrac
Courses	5EM (Emergency medicine sim) Obs and gynae sim (from 2023) Planning Psychiatry sim Psychiatry based sim around medical emergencies with psychiatric patients RMSP (Recognition and management of deteriorating patient)

### 6.2 NHS Borders

NHS Borders	
Contacts	<a href="mailto:rod.mcintosh@borders.scot.nhs.uk">rod.mcintosh@borders.scot.nhs.uk</a> (Senior Resuscitation Officer) <a href="mailto:andrew.duncan@borders.scot.nhs.uk">andrew.duncan@borders.scot.nhs.uk</a> (Assistant Director of Medical Education) <a href="mailto:olive.herlihy@borders.scot.nhs.uk">olive.herlihy@borders.scot.nhs.uk</a> (Director of Medical Education)
Sim Centre Info	Single bed room simulation suite with control room
Networks and Collaboration	In progress
Twitter	NHS Borders - @NHSBorders NHS Borders Medical Education - @mededborders
Courses	Acute pancreatitis Asthma Breaking bad news COPD COVID 19 patient Hyperactive delirium Hypoglycaemia LP Management of MI Parkinson patient Pulmonary oedema

	Seizure Sepsis Simulation training course Terminal agitation Upper GI bleed
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### 6.3 NHS Dumfries and Galloway

NHS Dumfries and Galloway	
Contacts	<a href="mailto:dg.educationcentre@nhs.scot">dg.educationcentre@nhs.scot</a> <a href="mailto:stuart.japp@nhs.scot">stuart.japp@nhs.scot</a> (Simulation Technician and Medical Education Co-Ordinator) <a href="mailto:peter.armstrong@nhs.scot">peter.armstrong@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Six classrooms and one wardroom
Networks and Collaboration	University of Glasgow UG Foundation network CSMEN NES Collaborative Mainly for faculty development purposes
Twitter	NHS DG - @DGNHS DG Heath - @dghealth
Courses	ANP FY1, FY2, GP and medical trainees training OOH primary care Paediatrics PFP Psychiatry SCOTGEM

### 6.4 NHS Fife

NHS Fife	
Contacts	<a href="mailto:Fife.simulationQMH@nhs.scot">Fife.simulationQMH@nhs.scot</a> <a href="mailto:June.Adamson@nhs.scot">June.Adamson@nhs.scot</a> (Clinical Skills and Simulation Facilitator, Victoria Hospital) <a href="mailto:morwenna.wood@nhs.scot">morwenna.wood@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	There are two simulation centres in Fife; one at Queen Margaret Hospital (QMH) Dunfermline and the other at Victoria Hospital Kirkcaldy (VHK). QMH – classroom and simulation ward
Networks and Collaboration	Dundee Institute for Healthcare Simulation (DIHS) SES Simulation Collaborative QMH and VHK
Twitter	NHS Fife - @nhsfife NHS Fife Med Ed - @MedEdFife Practice and Professional Development NHS Fife - @and_fife
Courses	QMH - The facility is used by specialty faculty who supply their own course material. The Centre is booked on an ad-hoc basis by departments wishing to use the facility for their own teaching and training. In the future the centre hopes to run its own courses

## 6.5 NHS Forth Valley

NHS Forth Valley	
Contacts	<a href="mailto:fv.scschf@nhs.scot">fv.scschf@nhs.scot</a> <a href="mailto:julie.mardon@nhs.scot">julie.mardon@nhs.scot</a> (Centre Director, SCSC <sup>HF</sup> ) <a href="mailto:tanya.somerville@nhs.scot">tanya.somerville@nhs.scot</a> (Educational Coordinator, SCSC <sup>HF</sup> ) <a href="mailto:kate.patrick@nhs.scot">kate.patrick@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	<p>NHS Forth Valley hosts the Scottish Centre for Simulation and Clinical Human Factors (SCSC<sup>HF</sup>) at the Forth Valley Royal Hospital. SCSC<sup>HF</sup> specialises in <i>train the trainer</i> courses for simulation-based education. Facilities include two classrooms, a lecture theatre, simulation ward, two offices and two store cupboards</p>
Networks and Collaboration	<p>CSMEN            Medicine Simulation Collaborative            SLWG accelerated anaesthetic assistants            Refugee doctors            Doctors in difficulty            Foundation steering group            UG sim network            Work with other sim centres</p>
Twitter	<p>NHS Forth Valley - @NHSForthValley            SCSC<sup>HF</sup> - @scotsimcentre</p>
Courses	<p>Acute Care Common Stem Exposure to Simulation (ACCSES)            Acute Psychiatric Emergencies (APEX)            Anaesthetic Assistants Leadership and Teamwork Training            Anaesthetic Critical Incident Drills (ACID)            Anaesthetists Non-Technical Skills (ANTS)            Clinical Debriefing            Critical Thinking and Decision Making in EM            Foundation Anaesthesia and Critical care Education Day (FACED)            FRCEM OSCE Coaching            FRCEM SBA Coaching            Getting Started in Simulation-Based Research            GP Simulation            HDU for Medics            Introduction to Management of Anaesthetic Emergencies (IMAE)            Introduction to Simulation: Making it Work            Leadership for Trainee Obstetricians            Managing Emergencies in Paediatric Anaesthesia (MEPA)            Managing Emergencies in Paediatric Anaesthesia for SAS; Consultants (MEPA FC)            Mastery Learning Conference            Medi-StuNTS e-faculty Development Course            Medi-StuNTS Faculty Development Workshop            NES SAS boot camp for IMT competencies            Non Technical Skills for Trainee Obstetricians            Obstetric Anaesthesia Training in The Simulator (OATS)            Principles of Intensive Care Training (PICT)            Promoting Leadership And Teamwork In Nursing Auxiliaries</p>

	<p>Recognise, Assess and Manage the Deteriorating Patient</p> <p>Registrar Ready</p> <p>Return to Emergency Medicine</p> <p>Return to Obstetrics and Gynaecology</p> <p>Safe Sedation in the Emergency Department</p> <p>Scottish Acute Major Trauma Team Training</p> <p>Scottish Core Obstetric Teaching and Training in Emergencies</p> <p>Scottish Inter-Facility Transfers (SHiFT)</p> <p>Scottish Neonatal Resuscitation Course</p> <p>Simulated Laparoscopic Skills Training in Obs and Gyn</p> <p>Simulation Based Mastery Learning Train The Trainer</p> <p>Simulation Course in Paediatric Emergencies (SCiPE)</p> <p>Simulation Faculty Development Course 2 – Ongoing Support</p> <p>Simulation for Internal Medicine – S(IM)<sup>2</sup></p> <p>Simulation Training on Paediatric Meningococcal Disease</p> <p>Structured Training for Anaesthesia Novices (STAN)</p> <p>The Obstetric Patient in Emergency Medicine (TOPEM)</p> <p>Training for Acute Care Teams (TACT)</p> <p>Ultrasound Study Day</p>
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## 6.6 NHS Grampian

NHS Grampian	
Contacts	<p><a href="mailto:gram.practiceeducation@nhs.scot">gram.practiceeducation@nhs.scot</a></p> <p><a href="mailto:clinicalskillscentre@abdn.ac.uk">clinicalskillscentre@abdn.ac.uk</a> (Suttie Centre)</p> <p><a href="mailto:kim.milne@nhs.scot">kim.milne@nhs.scot</a> (Director of Medical Education)</p>
Sim Centre Info	The Suttie Centre has 14 classrooms and a ward
Networks and Collaboration	<p>NHS Grampian Clinical Skills Group</p> <p>Aberdeen University Clinical Skills Steering Group</p> <p>Robert Gordon University Clinical Skills and Simulation Interest Group</p> <p>CSMEN E-Skills Group and IV Drug Admin subgroup</p> <p>Scottish Trauma Network</p> <p>Grampian Immediate Care Team</p> <p>CSMEN</p> <p>BASICS Scotland</p> <p>Scottish Clinical Skills Network</p> <p>Aberdeen University</p> <p>Robert Gordon's University</p> <p>NHS Highland</p> <p>NHS Lanarkshire</p> <p>NHS Lothian</p> <p>NHS Orkney</p> <p>NHS Shetland</p> <p>Dr Gray's Hospital, Elgin</p>
Twitter	<p>NHS Grampian - @NHSGrampian</p> <p>NHS Grampian Managed Clinical Networks - @NHSG_MCN</p> <p>Aberdeen Ed - @aberdeenED</p>
Courses	<p>Arterial Blood Gases</p> <p>Auscultation workshop</p> <p>BBraun Infusion Device Training</p>

	<p> BBraun electronic devices train the trainer course  Blood glucose and ketone testing with Optium Neo H workshop  Blood Glucose Testing with Freestyle Precision Pro Workshop  Cannulation skills workshop  Confirmation of Death for AHPs-Clinical Skills Workshop  COVID-19 Immunisation: IM Simulation Training for Registered Staff  Critical care programme: follow up ECG  Dealing with common emergencies in the primary care setting [MSU]  Ear irrigation workshop  ECG recording: module: skills workshop  Electronic infusion device: classroom session  Electronic infusions devices workshop  Fluid Balance Chart Training Session for HCSWs  Fundamentals of Care  Fundamentals of Vasoactive Drugs and Invasive Monitoring  Gambro Artis Physio Dialysis Machine Training  Guidance for Oxygen and Fluid Administration for the Deteriorating Patient with Known or Suspected COVID-19  HCSW Cannula Saline Flush  Health care support worker: performing and documenting patient obs  ICU Braun electronic device training  Introductory level ECG Rhythm Recognition  IV Fluid training - adult  Medical HDU simulated transfer training  Medical High Dependency Simulation Sessions  Mental Health - Drug and Alcohol - <i>insight and recognition</i>  Multidisciplinary Approach Simulated Session - Retrieval of a deteriorating patient (known or suspected COVID 19) from ward to ICU  Plum 360 B Line Education  Plum 360 Train the Trainer Workshop  Principles of Ventilation  Recognition and management of the deteriorating patient  Recognition of the deteriorating patient  Recognition of the deteriorating patient and common emergencies in acute setting  Safe insertion and ongoing care of patients with a nasal retaining device  Safe insertion of nasogastric (NG) feeding tubes/nasal retaining devices and ongoing care  Scottish core obstetric teaching and training in emergencies (SCOTTIE)  The Deteriorating Renal Patient  Tracheostomy - Update Session  Tracheostomy workshop for care of patients in the acute hospital setting  Urinary catheterisation skills workshop  Venepuncture skills workshop  <b>Suttie Centre</b>  Advanced Life Support Course (ALS)  Advanced Trauma Life Support (ATLS)  Advanced Paediatric Life Support (APLS)  Generic Instructor Course (GIC)  PACES MRCP Part 2 </p>
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	Competencies for Deteriorating Patient (inc ILS for FY1s) MRCS Mock ILS Full / ILS Recert Pharmacy Course FY2 Immersion Simulation Faculty Days Training Year 5 Ward Sim, ETC Safe Paeds (Anaes) OATS (Obs) MOET (Maternity) REACTS (Maternity) APEX
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## 6.7 NHS Greater Glasgow and Clyde

NHS Greater Glasgow and Clyde	
Contacts	<a href="mailto:Neil.McGowan@ggc.scot.nhs.uk">Neil.McGowan@ggc.scot.nhs.uk</a> (Associate Director Medical Education) <a href="mailto:lisa.hamilton4@ggc.scot.nhs.uk">lisa.hamilton4@ggc.scot.nhs.uk</a> (Lead Administrator Healthcare Skills and Simulation Collaborative) <a href="mailto:Colin.Perry@ggc.scot.nhs.uk">Colin.Perry@ggc.scot.nhs.uk</a> (Director of Medical Education)
Sim Centre Info	Healthcare Skills and Simulation Collaborative on five different sites: Glasgow Royal Infirmary, Glasgow Alexandra Hospital, Vale of Leven, Kirklands Hospital, Royal College Physicians and Surgeons of Glasgow
Networks and Collaboration	Healthcare Skills and Simulation Collaborative <a href="https://www.csmen.scot.nhs.uk/network/healthcare-skills-and-simulation-collaborative/">https://www.csmen.scot.nhs.uk/network/healthcare-skills-and-simulation-collaborative/</a>
Twitter	NHS GGC - @NHSGGC NHSGGC Simulation - @NHSGGCSim
Courses	5EM Advanced GPCP ENT Sim Course Advanced Skills innovative Practice Al Murray Ortho Surgical Skills Video ALS ANP training APEx pilot for psychiatry Approved medical practitioner course for psychiatry Batchelor of Dental Surgery Basic Life Support BDS2 BLS training Cervical Screening Examination Skills CHESS CNS joints Dental School Training UG Dental BDS4 Dundee Pharmacy Skills Training Emergencies in Primary Care European Paed Advanced Life Support course Experimental Learning for Mpharm 2yr Students Eye Sim Eye Simulation (id 266) Faculty development



	<p> Fire training  Foundation induction programme for West of Scotland  Foundation Year 2 Clinic / Ward Simulation Teaching GGC  GCU Radiology  Generic Instructors Course  GIC  ICU sim  IMPACT Course for ANP RAM  Induction GGC MSK Physio  IPL sim  MANIC  Medical interprofessional Nontechnical skills Simulation (MINTS)  Neonatal FAC faculty  Neonatal Resus  Newly qualified nursing programme  NHS GGC HCSW Ward Skills  NSS BLS  Oral surgery simulation  Palliative care AGPs  Palliative Care Trainees skill assessment  Paramedic airway training  PASS Go  Pharm Tech  Pharmacy  Pharmacy foundation clinical skills  Physiotherapy ultrasound  Physiotherapy Update  Pre Placement clinical skills  Pre-Reg Optom Eye Simulation  PROMPT obstetric emergencies  RAM  RAM (IMPACT)  RAM OSCE  Respiratory Physiotherapy  SCOTTIE  Scottish Ambulance Service – emergency skills  Scottish Core Obstetric Teaching (SCOTTIE)  Scottish manual handling passport  Senior Pharm Students Strathclyde  Sim fac development  SimPLES  SMMDP Obstetrics and Neonatal Emergency Course  Surgical nurse practitioner  Trainee Surgical Nurse Practitioners Urology  Vaccinator Training  WBL Joint Injection  West of Scotland USS OSCE  Widening access film for University of Glasgow </p>
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## 6.8 NHS Highland

NHS Highland	
Contact	<a href="mailto:sandie.sutherland1@nhs.scot">sandie.sutherland1@nhs.scot</a> (Practice Development Coordinator) <a href="mailto:Franklyn.Gbakinro@uhi.ac.uk">Franklyn.Gbakinro@uhi.ac.uk</a> (Clinical Simulation Developer, University of Highlands and Islands) <a href="mailto:helen.freeman@nhs.scot">helen.freeman@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Highland Medical Education Centre, a partnership between Aberdeen University and NHS Highland, based within the Centre for Health Science. Training wards for resuscitation practice and simulated ward teaching, simulated teaching models including 3-D head and neck model, videoconferencing facilities and comprehensive IT and AV equipment
Networks and Collaboration	Remote and Rural Healthcare Educational Alliance (RRHEAL) Centre for Rural Health
Twitter	NHS Highland - @NHSHighland NHS Highland Education Learning and Development - @NHSLearning Highland Clinical Skills Centre - @high_CSC
Courses	Course information to be supplied

## 6.9 NHS Lanarkshire

NHS Lanarkshire	
Contact	<a href="mailto:kirklandsbookings@lanarkshire.scot.nhs.uk">kirklandsbookings@lanarkshire.scot.nhs.uk</a> <a href="mailto:Catherine.Paton@lanarkshire.scot.nhs.uk">Catherine.Paton@lanarkshire.scot.nhs.uk</a> (Associate Director of Medical Education) <a href="mailto:Caroline.Martin2@lanarkshire.scot.nhs.uk">Caroline.Martin2@lanarkshire.scot.nhs.uk</a> (Senior Clinical Skills Specialist) <a href="mailto:Emma.Closs@lanarkshire.scot.nhs.uk">Emma.Closs@lanarkshire.scot.nhs.uk</a> (Senior Clinical Skills and Simulation Technician) <a href="mailto:ian.hunter-DME@lanarkshire.scot.nhs.uk">ian.hunter-DME@lanarkshire.scot.nhs.uk</a> (Director of Medical Education)
Sim Centre Info	Three classrooms, a lecture theatre, two simulation wards, control room, three conference rooms and AV equipment
Networks and Collaboration	CSMEN NES Collaborative Scottish Clinical Skills Network Society for Simulation in Europe (SESAM) University of the West of Scotland NHS Greater Glasgow and Clyde
Twitter	NHS Lanarkshire - @NHSLanarkshire NHS Lanarkshire Med Ed - @nhsl_meded
Courses	Adapt ALS Anaesthetic program APLS ATLS BLS Chief residents Core med skills/Sim Critical care airway day EALS

	Faculty development FRCS OSCE FY1 Days FY2 Skills and sim ICM ILS ILS RECERT Instructor Courses In-situ LAP Bile course LEAT MIPD Obs and gynae Ortho sim PILS RAMPS Surgical skills Surgical boot camp
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## 6.10 NHS Lothian

NHS Lothian	
Contact	<a href="mailto:med.website@nhslothian.scot.nhs.uk">med.website@nhslothian.scot.nhs.uk</a> <a href="mailto:MEDsimulation@nhslothian.scot.nhs.uk">MEDsimulation@nhslothian.scot.nhs.uk</a> <a href="mailto:simon.edgar@nhslothian.scot.nhs.uk">simon.edgar@nhslothian.scot.nhs.uk</a> (Director of Medical Education)
Sim Centre Info	
Networks and Collaboration	CSMEN NES Collaborative
Twitter	NHS Lothian Medical Education - @NHSLothianMedEd NHS Lothian - @NHS_Lothian AHP Practice Education NHS Lothian - @Lothian_AHPed
Courses	Adapt ALS Anaesthetic programme APLS ATLS BLS Chief residents Core med skills/Sim Critical care airway day EALS Faculty development FRCS OSCE FY1 days FY2 Skills and Sim IC ILS ILS RECERT In-situ

	Instructor Courses LAP Bile course LEAT MIPD Obs and gynae programme Ortho sim PILS RAMPS Surgical boot camp Surgical skills
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### 6.11 NHS Orkney

NHS Orkney	
Contact	<a href="mailto:Wendy.Corstorphine@nhs.scot">Wendy.Corstorphine@nhs.scot</a> (Medical Education Lead) <a href="mailto:huw.thomas5@nhs.scot">huw.thomas5@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Shared meeting room
Networks and Collaboration	RCUK Suttie Centre NHS Grampian
Twitter	NHS Orkney - @NHSOrkney
Courses	ALS ILS ILS - recertification BLS Paediatric Basic Life Support Acute illness management training Cardiac Rhythm Recognition Morning Sepsis refresher training Anaphylaxis Refresher Training Intraosseous Access Training HCSW NEWS2/Observations Training Venepuncture Training Cannulation Training Nasogastric Tube Insertion Training Management of Chest Drains Basic Arterial Blood Gas Interpretation Training

### 6.12 NHS Shetland

NHS Shetland	
Contacts	<a href="mailto:shet.mededadmin@nhs.scot">shet.mededadmin@nhs.scot</a> <a href="mailto:Angela.Bruce3@nhs.scot">Angela.Bruce3@nhs.scot</a> (Practice Educator) <a href="mailto:Pauline.Wilson2@nhs.scot">Pauline.Wilson2@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Three bedded bay and two side rooms with one way glass observation window
Networks and Collaboration	CSMEN Resus Council UK

Twitter	NHS Shetland - @NHS_Shetland NHS Healthy Shetland - @HealthyShetland
Courses	ALS, ILS and BLS

### 6.13 NHS Tayside

NHS Tayside	
Contact	<a href="mailto:cscugadmin@dundee.ac.uk">cscugadmin@dundee.ac.uk</a> <a href="mailto:G.Keith@dundee.ac.uk">G.Keith@dundee.ac.uk</a> (Co-Director DIHS (Clinical Skills)) <a href="mailto:n.x.harrison@dundee.ac.uk">n.x.harrison@dundee.ac.uk</a> (Co-Director DIHS (Clinical/Surgical Skills)) <a href="mailto:maximillian.groome@nhs.scot">maximillian.groome@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Ten classrooms, three seminar rooms, one simulation ward, immersive space, ultrasound procedural space and self-directed learning space
Networks and Collaboration	CSMEN With other sim centres
Twitter	NHS Tayside - @NHSTayside NHS Tayside Professional and Practice Development - @NHST_PPD Dundee Clinical Skills Centre - @InnovativeSim
Courses	Aesthetic Facial Surgery Exercises by Cadaver Dissection BAUS Sections of Endourology and Oncology Laparoscopic Training Course Core Skills in Laparoscopic Surgery Course EAES Laparoscopic Lower GI Surgery Course EAES Laparoscopic Upper GI Surgery Course Emergency Safe Neck Surgery by Cadaver Dissection Endoscopic Sinus Surgery, Advanced and Open Sinus Surgery by Thiel Cadaver Dissection FESS1 and FESS 2 Facial Plastic Surgery Flap Reconstruction Dissection Course Fundamentals of Transurethral Resection and Ureteroscopic Skills using animal and human Cadaveric models Intermediate Skills for Laparoscopic Surgery Laparoscopic Suturing Course Minor Surgery in General Practice Principles of Joint Injection Course using Thiel Cadavers Rectal Prolapse Surgical Management Cadaveric Course Rhinoplasty and Septoplasty Skills Temporal Bone Course Ultrasound for Novice Anaesthetics Trainees <b>Undergraduate</b> MBChB - Years 1-5 MBChB - Year 5 - Prescribing on the Ward MBChB - Year 5 - Ward Simulation Exercise <b>Postgraduate</b> FY1 Core Procedures FY2 Core Procedures FY2 Sim Clinic Mastery Learning Programme Doctors in Difficulty PACES Examinations (Royal College of Physicians)

## 6.14 NHS Western Isles

NHS Western Isles	
Contact	<a href="mailto:wi.csa@nhs.scot">wi.csa@nhs.scot</a> <a href="mailto:neil.maclean@nhs.scot">neil.maclean@nhs.scot</a> (Director of Medical Education)
Sim Centre Info	Lecture theatre, classroom and simulation ward
Networks and Collaboration	
Twitter	NHS Western Isles - @NHSWI
Courses	AIM – Acute Illness Management ALS ALS Scenarios BASICS core skills days BLS Chest Drain Teaching Courses offered: EC4H Communications training - breaking bad news, ACP Planning etc ECG Placement Training EPALS ETC Fascia Iliac Block Teaching ILS IV Drug Administration Training Lumbar Puncture Teaching Male Urethral Catheterisation Training MDT Scenarios MSU - Faculty dev course, deteriorating patient, Acute patient scenarios PBLS PHEC PILS POCUS for PVC Venepuncture and Cannulation Training Weekly Surgical Skills Sessions

**If you would like to be involved in the next phase or wish to add to the information already collected, please contact [CSMEN@nes.scot.nhs.uk](mailto:CSMEN@nes.scot.nhs.uk)**



This resource may be made available, in full or summary form, in alternative formats and community languages. Please contact us on **0131 656 3200** or email **altformats@nes.scot.nhs.uk** to discuss how we can best meet your requirements.



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