

Simulation Resources in Health and Care Scotland

2024



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This document should be read in conjunction with the interactive map on the CSMEN website which allows the user to see simulation centre information. In addition, there are downloadable tables with simulation equipment and course information by centre.

[Simulation Resources in Scotland](#)

1 Introduction

The scoping project was undertaken by the Clinical Skills Managed Educational Network (CSMEN) to determine the simulation resources available in the health boards in 2023, this has been updated in 2024 to include universities. The project has four outcomes: this report; an interactive map with centre information, an Excel file with equipment information and an Excel file with course information. All these can be accessed on the CSMEN website. [Simulation Resources in Scotland](#)

This report contains a short summary of the simulation objectives in each of the regions and information on the simulation centres in each health board area.

The map gives an overview of the simulation centre information including contact details. Beneath the map is an interactive table which enables searching for equipment by location.

The equipment information has been divided into one of six groups:

- mannequins;
- part-task trainers;
- surgical trainers;
- functioning medical equipment;
- virtual reality trainers; and,
- audio-visual equipment.

The course information has been grouped under one of three headings:

- Skills (specific tasks or activities developed over time through dedication, education, and practice with critique);
- Drills (disciplined repetitive exercises as a means of teaching and perfecting a skill or procedure); and,
- Performance (observable, goal-directed actions consisting of motor skills, process skills, and social interaction skills)

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

2 Regional Summaries

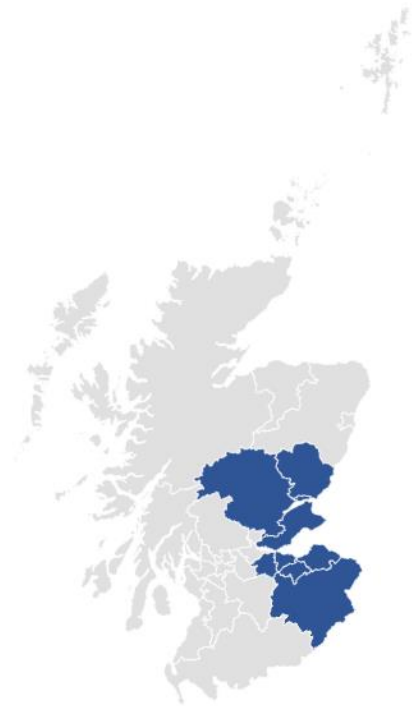
2.1 East and South-East Region

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

Contact: Siobhan Connolly – Senior Educator

Siobhan.Connolly@nhs.scot

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. 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.



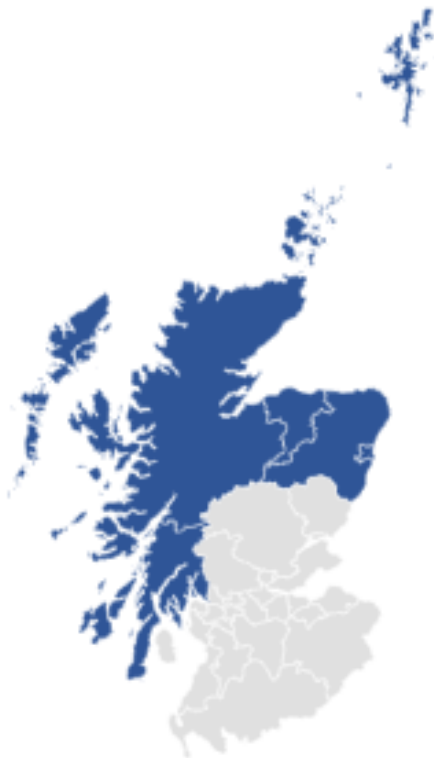
2.2 North Region

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

Contact: Ashley Meldrum – Senior Educator

ashley.meldrum@nhs.scot

The region is in the process of setting up a North 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 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. A three day training course for staff at a care home in Aberdeen was recently piloted on the MSU.



2.3 West Region

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

Contact: Karen Johnstone - Senior Educator

karen.johnstone@lanarkshire.scot.nhs.uk

There is a growing need and enthusiasm for simulation based learning across the region. The West has several training facilities and centres each offering a wide range of skills and immersive simulation courses including the [Scottish Centre for Simulation & Clinical Human Factors](#) at Forth Valley Royal Hospital.

The regional aim is to maximise collaboration and to build on the work of the Healthcare Skills Simulation Collaborative. To date we have supported several multi-speciality courses and multi-agency simulation events. Currently we are promoting inclusion of all professional bodies by establishing collaborations within the Social Care directorate and with regional AHP Practice Education teams. Additionally, discussions are ongoing with various professional groups to ensure appropriate resources are shared and duplication is minimised. Regular collaboration of our regional leads aims to promote a *Once for Scotland* approach with consistency and progression of simulation-based learning.



3 Simulation Centre Summaries by Territorial Health Board Area

NHS Ayrshire and Arran Area (West Region)	
The MacDonald Education Centre	
Contact	Linda.Bell@aapct.scot.nhs.uk (Simulation Technician, Crosshouse)
Sim Centre Info	The MacDonald Education Centre is located within University Hospital Ayr on the first floor and offers education, training, conference and catering facilities Website
X	NHS Ayrshire and Arran - @NHSaaa NHS Ayrshire and Arran Simulation - @NHSAASimulation Advanced Practice NHS Ayrshire and Arran - @AAAacuteAdvPrac
The Alexander Fleming Education Centre	
Contact	Linda.Bell@aapct.scot.nhs.uk (Simulation Technician, Crosshouse)
	The Alexander Fleming Education Centre is located within University Hospital Crosshouse and offers offer education, training, conference and catering facilities
X	NHS Ayrshire and Arran - @NHSaaa NHS Ayrshire and Arran Simulation - @NHSAASimulation Advanced Practice NHS Ayrshire and Arran - @AAAacuteAdvPrac
NHS Borders Area (East and South-East Region)	
Borders General Hospital	
Contacts	rod.mcintosh@borders.scot.nhs.uk (Clinical Skills and Simulation Technician)
Sim Centre Info	A dedicated clinical area and classroom at Borders General Hospital with a video link and simulation control room Website
X	NHS Borders - @NHSBorders NHS Borders Medical Education - @mededborders
NHS Dumfries and Galloway Area (West Region)	
Galloway Royal Infirmary	
Contacts	michael.quigley@nhs.scot (Consultant Emergency Medicine/Simulation Lead)
Sim Centre Info	The Education Centre at Dumfries & Galloway Royal Infirmary is equipped with all the latest IT, audiovisual technology including 75" LED screens, giving excellent presentation facilities in all rooms. The Centre includes a well-equipped Simulation Suite with a mid-fidelity HAL simulator and SMOTS™ recording system to allow a wide variety of simulated scenarios for staff and students. The team supports educational programmes, runs ad-hoc educational events, and are able to

	offer advice on teaching methods, literature searching and event organisation Website
X	NHS DG - @DGNHS DG Heath - @dghealth Education Centre - @dgnhseducation

NHS Education for Scotland

Mobile Skills Unit (MSU)

Contact	lynn.hardie@nhs.scot (Lynn Hardie, MSU Senior Officer)
Sim Centre Info	The MSU was specifically designed to fit on all major ferries and roads across Scotland to support the delivery of clinical skills training and education to all healthcare practitioners, the emergency services and members of the public across Scotland. It provides a safe learning environment, part-task trainers and state of the art simulation equipment (including SimMan 3G Plus, SimJunior, SimBaby and SimNewB) which allow a broad range of clinical skills education to be delivered.
X	NES - @NHS_Education CSMEN - @CSMEN1

NHS Fife Area (East and South-East Region)

Queen Margaret Hospital (QMH)

Contacts	fife.simulationqmh@nhs.scot (Hanna Akel, Simulation Centre Manager, Queen Margaret Hospital)
Sim Centre Info	The simulation centre at QMH Dunfermline comprises a classroom and simulation ward which 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 Website
X	NHS Fife - @nhsfife NHS Fife Med Ed - @MedEdFife Practice and Professional Development NHS Fife - @and_fife

Victoria Hospital Kirkcaldy (VHK)

Contacts	June.Adamson@nhs.scot (Clinical Skills and Simulation Facilitator, Victoria Hospital)
Sim Centre Info	Simulation at Victoria Hospital combines in situ training with facilities in the Education Centre. In the Education Centre there is one dedicated clinical skills/simulation room, along with a Lecture Theatre and 5 bookable rooms which are used by many departments. In situ simulation training occurs in a diverse range of clinical and non clinical areas; we bring our equipment and staff to the areas requested to enable departmental trainers to deliver their courses Website
X	NHS Fife - @nhsfife NHS Fife Med Ed - @MedEdFife Practice and Professional Development NHS Fife - @and_fife

NHS Forth Valley Area (West Region)	
Scottish Centre for Simulation and Clinical Human Factors SCSC^{HF}	
Contacts	fv.scschf@nhs.scot julie.mardon@nhs.scot (Centre Director, SCSC ^{HF}) tanya.somerville@nhs.scot (Educational Coordinator, SCSC ^{HF})
Sim Centre Info	NHS Forth Valley hosts the Scottish Centre for Simulation and Clinical Human Factors (SCSC ^{HF}) at the Forth Valley Royal Hospital. SCSC ^{HF} 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 Website
X	NHS Forth Valley - @NHSForthValley SCSC ^{HF} - @scotsimcentre

NHS Golden Jubilee Area (West Region)	
Academy Skills and Simulation Centre (Golden Jubilee Hospital)	
Contact	roisin.houston@goldenjubilee.scot.nhs.uk (Skills & Simulation Centre Manager)
Sim Centre Info	Simulation centre includes a simulation room, control room (can also be used as debrief space), storage room and debrief/classroom with interactive whiteboards Website
X	NHS Academy - @NHSScotAcademy NHS Golden Jubilee - @JubileeHospital

NHS Grampian Area (North Region)	
Dr Gray's Hospital	
Contacts	gram.morayeducators@nhs.scot (Julia Lussier and Kirstin Fairweather, Practice Educators)
Sim Centre Info	Opened in March 2024 the new Clinical Skills Centre provides virtual ward environments and simulated clinical training with state of the art mannequins and anatomy equipment. The ward area can be split into 2 parts; a 4 bed area and a 2 bed area
X	NHS Grampian - @NHSGrampian NHS Grampian Managed Clinical Networks - @NHSG_MCN Aberdeen Ed - @aberdeenED
Robert Gordon University	
Contacts	h.henderson@rgu.ac.uk (Helen Henderson, Principal Lecturer, Clinical Skills and Simulation)
Sim Centre Info	The clinical skills centre consists of two six bedded wards, one high dependency room, one paediatric room, one simulated home environment, and two large multipurpose/flexible rooms. In addition, there is a radiotherapy suite, and a physiotherapy suite that has 2 practical rooms to

	represent an outpatient physiotherapy department. All areas are equipped with SMOTS cameras Website
X	Robert Gordon University - @RobertGordonUni
The Suttie Centre, University of Aberdeen	
Contacts	clinicalskillscentre@abdn.ac.uk (Suttie Centre Technicians) sian.roughon@abdn.ac.uk (Clinical Skills Centre Manager)
Sim Centre Info	The Suttie Centre has 14 classrooms, a ward within ARI (orange zone) and 2 tutorial rooms also within ARI (yellow zone) Website
X	University of Aberdeen - @aberdeenuni

NHS Greater Glasgow and Clyde Area (West Region)

NHS Greater Glasgow and Clyde

Contacts	Michael.Mccrossan@ggc.scot.nhs.uk (Quality Improvement Manager) Neil.McGowan@ggc.scot.nhs.uk (Associate Director 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 and Royal College Physicians and Surgeons of Glasgow
X	NHS GGC - @NHSGGC NHSGGC Simulation - @NHSGGCSim

Interprofessional Simulation Centre, Glasgow Caledonian University

Contact	elsie.donnelly@gcu.ac.uk (Nurse Lecturer) hlstechsupport@gcu.ac.uk
Sim Centre Info	The interprofessional simulation centre is fully equipped with state-of-the-art high fidelity simulators and recording equipment. Bespoke scenarios can be created in-house by the technical team and filmed using the SMOTSTM camera system. The simulated home environment provides a unique, adaptable learning space for community nursing scenarios, emergency ambulance callouts and occupational therapy assessments Website
X	Glasgow Caledonian University - @CaledonianNews

NHS Highland Area (North Region)

Highland Medical Education and Clinical Skills Centre

Contact	sarah.noble@nhs.scot (Clinical Skills Educator, Highland Medical Education and Clinical Skills Centre)
Sim Centre Info	Highland Medical Education and Clinical Skills Centre; UG medical programmes are a partnership between University of Aberdeen and ScotGEM. The centre delivers NHS Highland UG and PG Medical Education training and courses, a substantial amount of which uses simulation.

	The centre has training wards for resuscitation practice and simulated ward teaching, simulated teaching models, videoconferencing facilities and comprehensive IT and AV equipment including SMOTs Website
X	NHS Highland - @NHSHighland NHS Highland Education Learning and Development - @NHSLearning Highland Clinical Skills Centre - @high_CSC

NHS Lanarkshire Area (West Region)

Medical Education Training Centre at Kirklands Hospital

Contact	kirklandsbookings@lanarkshire.scot.nhs.uk Catherine.Paton@lanarkshire.scot.nhs.uk (Associate Director of Medical Education) Emma.Closs@lanarkshire.scot.nhs.uk (Senior Clinical Skills and Simulation Technician)
Sim Centre Info	Three classrooms, a lecture theatre, two simulation wards, control room, three conference rooms and AV equipment Website
X	NHS Lanarkshire - @NHSLanarkshire NHS Lanarkshire Med Ed - @nhs_l_meded

NHS Lothian Area (East Region)

NHS Lothian Medical Education

Contact	med.website@nhslothian.scot.nhs.uk loth.medsimulation@nhs.scot
Sim Centre Info	Simulation centres at Royal Infirmary of Edinburgh, Western General Hospital and St John's Hospital, Livingston Website
X	NHS Lothian Medical Education - @NHSLothianMedEd NHS Lothian - @NHS_Lothian AHP Practice Education NHS Lothian - @Lothian_AHPEd

Napier University

Contact	scsc@napier.ac.uk c.breen@napier.ac.uk (Professor of Simulation and Clinical Skills) h.matthew@napier.ac.uk (Operations Lead, Simulation and Clinical Skills Centre Edinburgh)
Sim Centre Info	1000m ² dedicated clinical skills centre comprising six versatile hospital ward settings, two simulation rooms (ICU and Neonatal) with associated control rooms, one simulated home environment (SHELTER) and one creative space Website
X	ENU Simulation and Clinical Skills Centre - @ENUSCSC

NHS Orkney Area (North Region)	
Balfour Hospital	
Contact	Wendy.Corstorphine@nhs.scot (Medical Education Lead) andrew.brewer2@nhs.scot (Resuscitation Officer and Senior Clinical Facilitator)
Sim Centre Info	Shared meeting room
X	NHS Orkney - @NHSOrkney

NHS Shetland Area (North Region)	
Gilbert Bain Hospital	
Contacts	shet.mededadmin@nhs.scot Angela.Bruce3@nhs.scot (Practice Educator) tracy.lavelle@nhs.scot (Resuscitation and Education) Pauline.Wilson2@nhs.scot (Director of Medical Education)
Sim Centre Info	Three bedded bay and two side rooms with one way glass observation window
X	NHS Shetland - @NHS_Shetland NHS Healthy Shetland - @HealthyShetland

NHS Tayside Area (East Region)	
Dundee Institute for Healthcare Simulation, University of Dundee	
Contact	cscugadmin@dundee.ac.uk G.Keith@dundee.ac.uk (Co-Director DIHS (Clinical Skills)) R.Barnes@dundee.ac.uk (Lead Technician DIHS) n.x.harrison@dundee.ac.uk (Co-Director DIHS (Clinical/Surgical Skills))
Sim Centre Info	Ten classrooms, three seminar rooms, one simulation ward, immersive space, ultrasound procedural space and self-directed learning space Website
X	NHS Tayside - @NHSTayside NHS Tayside Professional and Practice Development - @NHST_PPD Dundee Clinical Skills Centre - @InnovativeSim

NHS Western Isles Area (North Region)	
Western Isles Hospital Stornoway	
Contact	wi.csa@nhs.scot caroline.ross7@nhs.scot (Medical Education Coordinator, Western Isles Hospital)
Sim Centre Info	Lecture theatre, classroom and simulation ward
X	NHS Western Isles - @NHSWI