

Scottish Microbiology and Virology Network (SMVN)

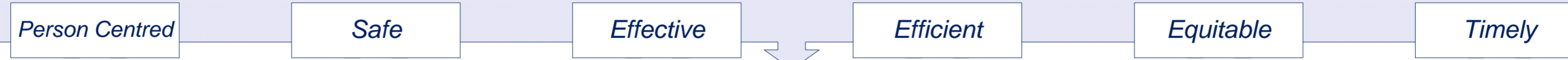
Scottish Government Policy Aim: Adopt a consortia approach in order to inform and drive the redesign of clinical diagnostic services

Policy framework of core principles and quality dimensions to which national networks must adhere.

Core Principles (Ref: CEL 29 (2012))

Core Principle 1: Clear management arrangements and leadership of the MDN	Core Principle 2: A defined MDN structure setting out the points at which the service is to be delivered and the connections between them	Core Principle 3: The use of a MDN annual work plan	Core Principle 4: The use of a documented evidence base by the MDN	Core Principle 5: The multi disciplinary and multi professional constitution of the MDN, which includes patients	Core Principle 6: A patient-centric approach	Core Principle 7: Optimising the MDN education and training potential and continuing professional development	Core Principle 8: Generating better value for money
---	---	---	--	--	--	---	---

Institute of Medicine's 6 Dimensions of Quality (Ref: Healthcare Quality Strategy For NHS Scotland, 2010)



The Scottish Microbiology and Virology Network (SMVN) operates across local and regional NHS Board boundaries in order to facilitate equity of access to high quality, clinically effective and standardised care, within the realms of Clinical Microbiology and Virology across NHS Scotland

Strategic Aims	Year 1 (2017)	Year 2 (2018)	Year 3 (2019)	Year 4 (2020)	Outcomes (2021)
----------------	---------------	---------------	---------------	---------------	-----------------

Develop a Microbiology and Virology workforce to meet the challenges of the future as described in Realising Realistic Medicine and the Healthcare Science National Delivery Plan	Maintain flow of information to SMVN membership [all Consultants, Clinical Scientists and senior BMS staff plus stakeholders on request].	Establish and publish workforce profile, identifying current & future gaps. Explore role extension and develop common job descriptions for Advanced Practitioners. Organise educational meetings	Develop lean working practices taking into account new technologies. Organise educational meetings Publish education strategy		A strong and cohesive Microbiology and Virology workforce which is resilient, effective and sustainable that is capable of meeting challenges described in Realistic Medicine and the Healthcare Science National Delivery Plan.
	Continue links with stakeholders [HPS, HAI Policy Unit, SAPG IPC, SMA etc].				
	Initiate newsletter for stakeholders and public.				
	Organise educational meetings.				

Design a Microbiology laboratory service for the future of Scotland. This involves the procurement of Molecular Technology	Explore and identify areas where technology improvements will enhance the service in Scotland.	If approved, initiate evaluation of faecal PCR. Present full business case for TB molecular diagnostics. Develop an outline case for generic molecular diagnostics.	If approved: write up / publish evaluation of faecal PCR. If approved, work with National Procurement to procure TB molecular diagnostics equipment / consumables. Develop a full business case for generic molecular diagnostics.	If approved: work with National Procurement to procure faecal PCR equipment / consumables. If approved, work with National Procurement to procure generic molecular diagnostics equipment and consumables. Evaluate impact of new technology on workforce profile.	A redesigned, improved service equipped to meet the demands of the Scottish population, delivering care at the point of need in a timely manner.
	Present an outline and full case to evaluate the clinical & cost benefit of faecal PCR.				
	Present an outline business case for TB molecular diagnostics.				

Develop standard processes for microbiology and virology staff across Scotland	Initiate standardisation of diagnostic reporting and minimum retesting intervals.	Develop guidance on standardisation of SMI blood culture and urine testing. Initiate gap / variation analysis of further SMIs. Deliver guidance on ESBL testing & reporting. Audit reporting codes.	Develop guidance on standardisation of core SMIs. Identify and develop core reporting codes requiring standardisation.	Rollout and audit core IT / LIMS reporting codes. Develop national core SOPs. Explore new UK 5 year AMR Strategy (2019 – 2024).	A standardised service which optimises demand and reduces unnecessary tests and duplication.
	Develop guidance for CPO testing.				
	Update guidance for Cystic Fibrosis Microbiology.				
	Establish ESBL SLWG to assess current practice and need to standardise testing.				

Optimise potential for a distributed services model as aligned with the guiding principles for service as defined by the Shared Services laboratory programme	Contribute to outline Shared Services strategic paper.	Explore and facilitate possible improvement of inter-laboratory test ordering and reporting in collaboration with Laboratory Data Improvement Group. Develop and agree optimum service levels required for different levels of healthcare.	Collaborate with Shared Services group to develop a Scottish benchmarking scheme to replace the Keele scheme. Analyse Health Board specific benchmarking reports to inform service improvement.	Launch targeted quality improvement projects based on recent benchmarking reports. Support ongoing implementation of Shared Services proposals..	A Scottish service that can evidence the appropriate level of service provided in the right place at the right time.
	Agree requirements for national dataset using Keele benchmarking questionnaire as a test focusing on developing KPIs.				