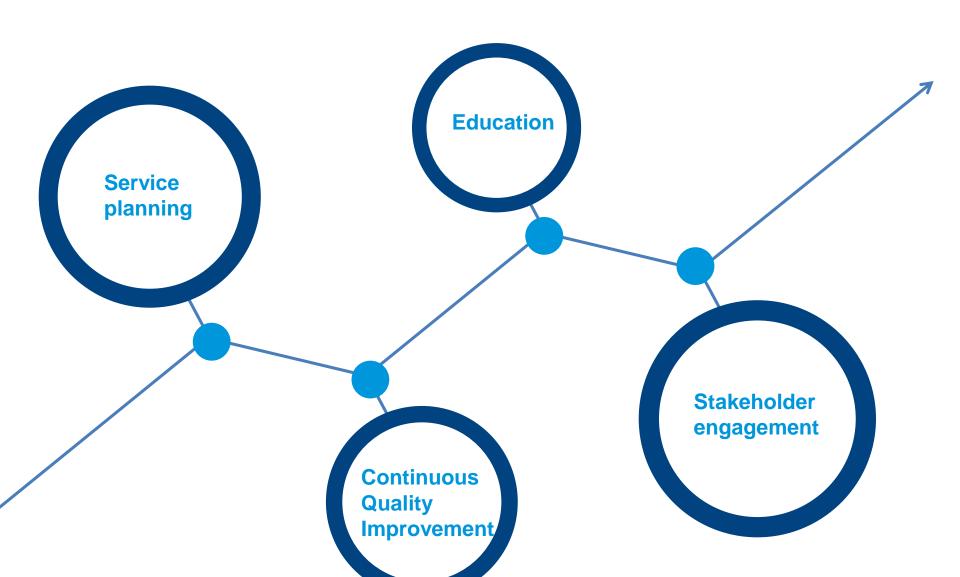
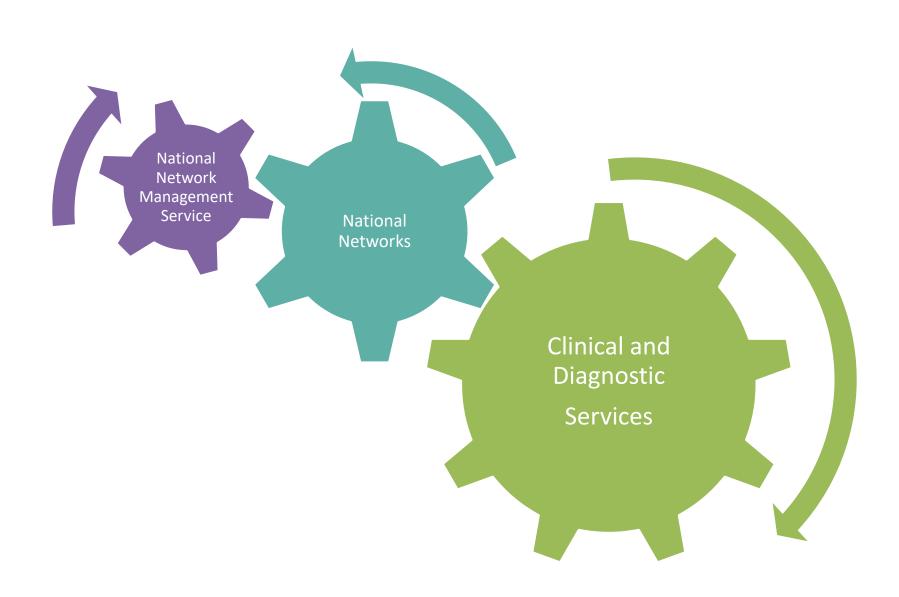


Who we are and what we do

To drive up quality of service

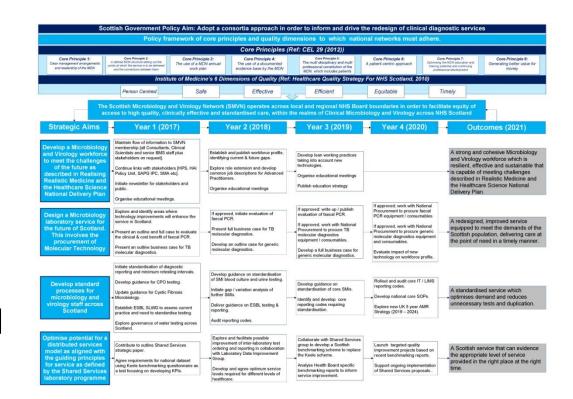


Maximising the impact of national networks



Making a Difference - Monitoring

- Benchmarking
- •5 year workplans
- Annual reports
- Annual performance review
- •3 5 year external review, linked to continuation of funding



Scottish Clinical Biochemistry Managed Diagnostic Network

National Managed Diagnostic Network





Workgroups

Currently SCBN has the following workgroups:

- •Innovation and Demand Optimisation
- Data
- Cancer
- Standardisation
- Education and Training





5 Year Plan

- Annual Report, 12 month Workplan and 5 Year
 Workplan are published on the SCBN Website
- •SCBN was the first network to develop a 5 Year Workplan this model has been adopted by other networks
- •5 Year Workplan has been developed using SMART objectives (Specific, Measurable, Achievable, Realistic and Time-Oriented)
- •Links with the work carried out by the workgroups





Workgroup Achievements



- •Innovation and Demand Optimisation:
 - •Produced guidance on Thyroid testing, FSH testing in Menopause, Vitamin D Testing, U&Es in Primary Care,
 - •Developing Innovation Dashboard to be published on SCBN website

Data Group

- •First published SCBN Data Benchmarking Report for all of Scotland (2017-18 data)
- Collection of 2018-19 Benchmarking data is underway
- Atlas of Variation

Workgroup Achievements

Cancer

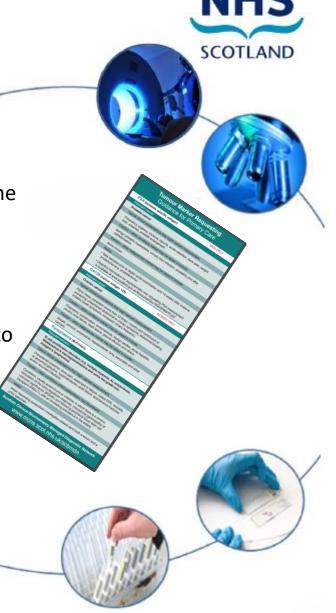
•Published Tumour Marker bookmark - guidance on the use of tumour markers for the non specialist and is included in the Scottish Cancer Referral Guidelines

•CA125 Pilot Audit was presented as last year's Education Day

•CA125 Nation Audit is underway – all biochemistry data has been collected and waiting on Imaging data to complete audit. Will be presented at this years Education Day

Standardisation and Education & Training Groups

- New groups that have had initial meeting
- •Standardisation work will be informed by the National Standardisation group
- Education & Training looking at ongoing problems with STP funding and the development of online training and education



Education and Feedback

- •Annual Education Day was held in COSLA last September next one 6th Sept 2019!
- •Last year talks on iLFT, Calprotectin, CA125 pilot audit, GPs and cancer referrals, Diagnosis of Myeloma
- •This year talks on C Peptide business case, CA125 National Audit, Data / Atlas of Variation, Quality Improvement, Trainee Presentations – Audit Projects
- •Over 70 attendees
- Good feedback (evaluated by IMS)
- Continued use of the website and twitter to promote the SCBN





External Groups

Currently SCBN has representatives working with:

- National Laboratories Programme
 - Distributed Services Model
 - •IT Working Group
 - Data Group
- NSS Demand Optimisation Group
- •SGHD Healthcare Science National Delivery Plan
 - •BNP
- Scottish Health Technologies Group
 - Evaluation of markers of liver fibrosis
- NHS Education Scotland
- Modernising Outpatients Programme
- •SGHD Performance & Delivery Directorate
 - •Use of qFIT in Symptomatic Patients





Other Achievements

- SCOTLAND
- •C Peptide Business Case approved by Diagnostic Steering Group and Laboratories Oversight Board
- Engaged with all the Health Boards of NHS
 Scotland to ensure representation
- •First network to develop a 5 Year plan
- •Implementation of a regional service for Biologic Drugs with NSD
- •Built links with other networks for audit purposes and service developments



Future Role

- •National Laboratories Programme have developed a blueprint of Laboratory Service Development: Distributed Services Model
- •Clearly indicates a need for National oversight could this be via the DSG?
- •Indicates a large number of process, organisation and technology changes. Role for the SCBN in many areas
 - •Work already being undertaken
 - Work currently being planned
 - Coordination
 - Aligned working
 - Partnership working
- •Maintaining and Developing the Diagnostic Networks becomes vital for future efficient working in Laboratories in Scotland







Visit our website: www.mcns.scot.nhs.uk/scbmdn

Contact us at: nss.SCBMDN@nhs.net

Or tweet us @NMDNScot

Scottish
Clinical
Biochemistry
Managed
Diagnostic
Network





HaTS Vision:



HaTS has been recently nationally commissioned.

HaTS will facilitate service redesign and care pathway improvement, including streamlining processes, reducing unwarranted variation, optimising practice and transforming roles to meet future service needs in the Scottish Haematology Service.

Haematology and Transfusion Scotland Managed Diagnostic Network



Introduction

- The Haematology and Transfusion Scotland Diagnostic Network was newly inaugurated on the 1st April 2019.
- The HaTS network can provide a formal representation for the Haematology and Transfusion community across Scotland.
- Provides a forum for the Haematology and Transfusion community to work together by bringing together the relevant stakeholders and utilising the widespread scientific expertise across Scotland.
- There are various national and regional strategic programmes and initiatives that require support and information that the network can provide.
- Without the support of the HaTS network the people of Scotland ultimately receive a poorer service that fails to meet the Institute of Medicines Dimensions of Quality and means national programmes such as Realistic Medicine are not able to produce the best results.





Inaugural Meeting

- The network had a inaugural meeting at Stirling on the 29th May 2019 to start the work of developing the network's annual and five year work plans.
- Representatives were also canvassed for the various sub groups

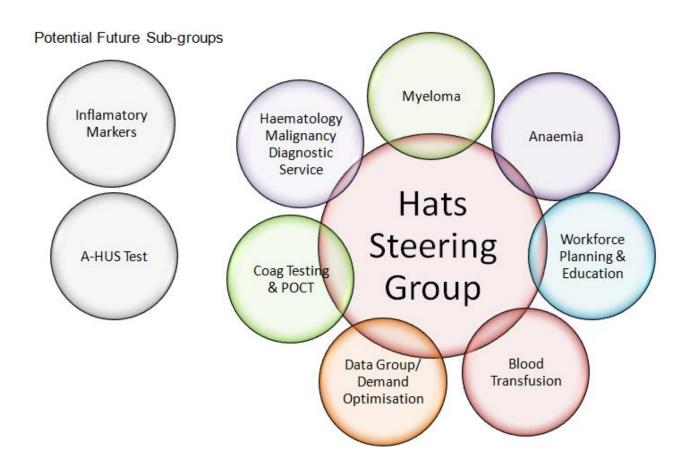








HaTs Sub Groups Graphic







Initial Key HaTS Objectives

- Finalise the B12/Folate national testing guidance developed and publish on the website. This supports the demand optimisation work being undertaken at a national level. When complete it will improve the investigation of B12/Folate deficiency across Scotland which is an outcome that arose from patient feedback.
- The Data subgroup will conduct a review of Haematology and Transfusion repertoire across Scotland and where possible develop standardised definitions, reference ranges, test profiles and units.





Initial Key HaTS Objectives

- Identify and develop demand optimisation projects for future work that will lead to a reduction in unnecessary testing and promote optimal test requesting.
- Working in conjunction with other diagnostic networks and relevant stakeholders develop a myeloma strategy for Scotland. Review the provision of serum free light chains vs Bence Jones Protein Electrophoresis.



Initial Key HaTS Objectives

- Improve liason between laboratory and clinical blood transfusion communities.
- Develop and implement a national policy on the management of red cell antibodies in pregnancy.
- Support the workforce and education group to conduct a review of current workforce provision as well as future requirements. Scoping the potential to of digital technologies such as establishing a national morphology training programme or developing transformational roles for scientists to deliver the identified outcomes





Network

#hatscommunity

Scottish Pathology Network

National Managed Diagnostic Network



SPAN Workplan

BMS Dissection – National Training School

Digital Pathology

Lung cancer pathways

BMS Dissection

- Baseline: 21% BMS dissection hours
- Training schools 2018 and 2019
- Impact of 2018 school:
 - 11 participants
 - Excellent feedback
 - 60% have progressed from basic dissection
 - Anecdotal feedback of reduction in medical dissection hours (awaiting confirmatory data)

BMS Dissection

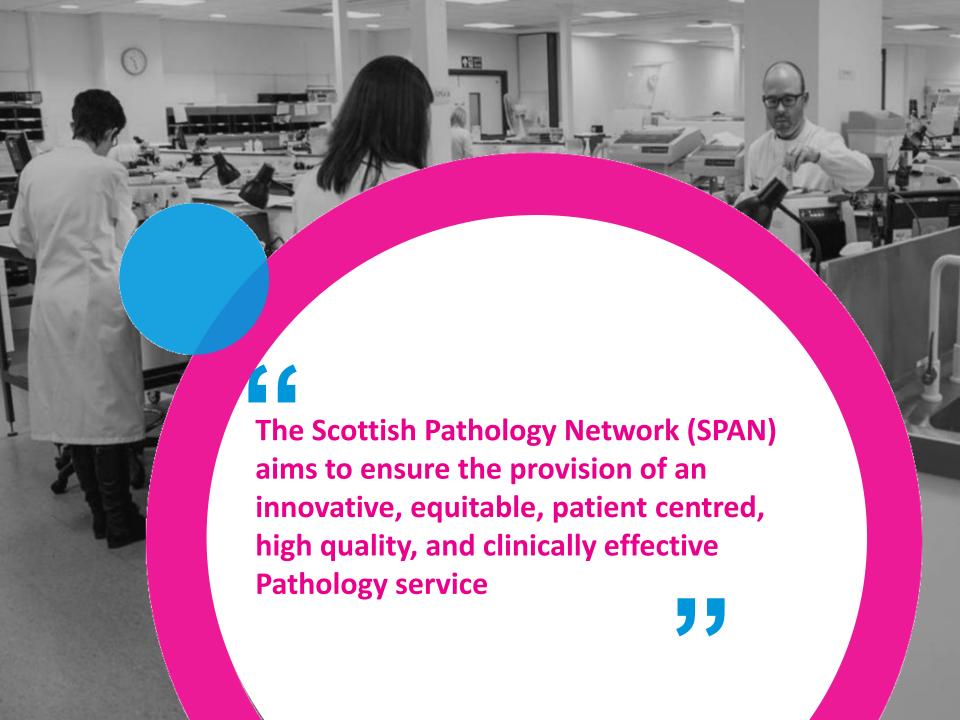
- Additional benefits/impact:
 - Increased job satisfaction
 - Cost effective use of staff resource
 - Increased career opportunities for BMS staff (eg Advanced Practitioner role)
 - Improved workflow
 - Improved quality/compliance

Digital Pathology Predicted Outcomes

- Enabling increased specialist reporting,
- Automated reporting
- Expert opinion
- Supporting on-call services
- Improving the patient pathway outcomes
- Reduce turnaround times

Improving Patient Pathways Lung Cancer

- Introduction of emerging diagnostic tests
- Improves patient management tailored treatment options
- Increase life expectancy/quality
- Reduced costs eg chemotherapy
- Examples are PDL-1 and ROS-1



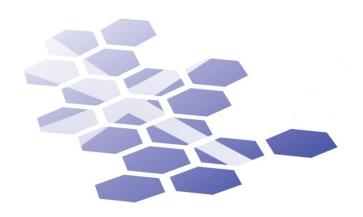


Visit our website: www.pathology.scot.nhs.uk

Contact us at: nss.SPAN@nhs.net

Or tweet us @NMDNScot

Scottish Pathology Network

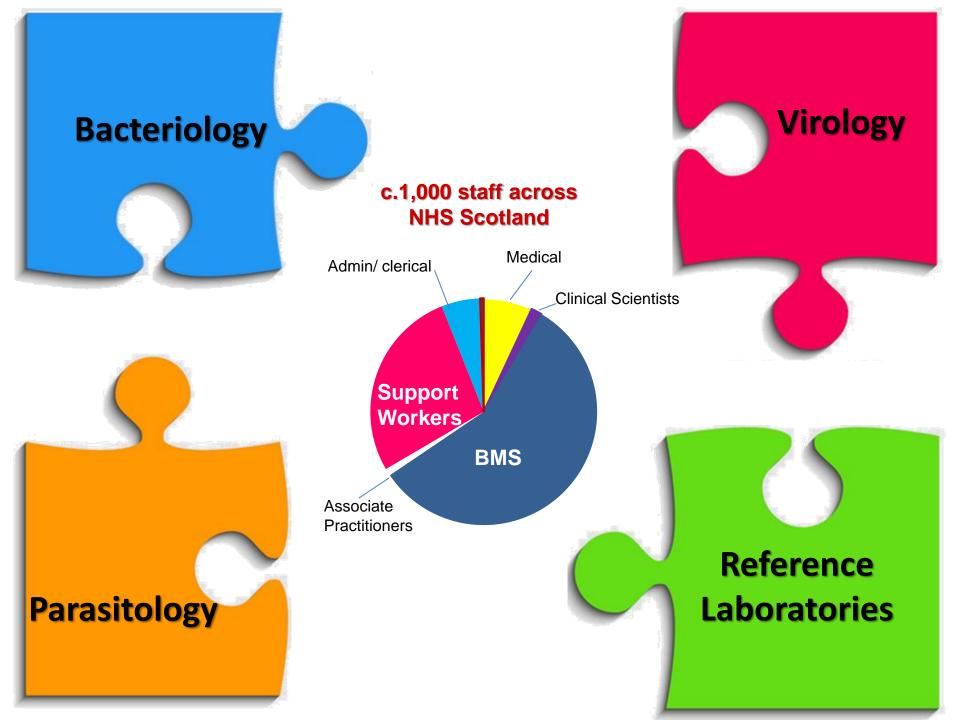


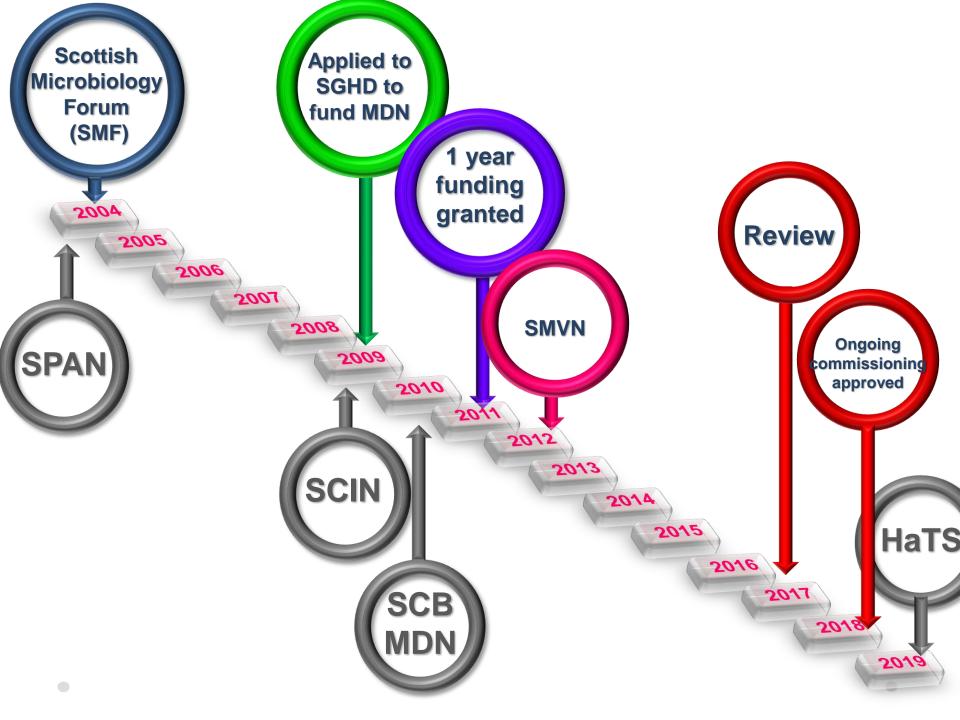
Scottish Microbiology and Virology Network (SMVN)













Clinical Lead: Dr M. Connor (1 PA (session) / week)
Manager: Dr F. MacKenzie (0.5 FTE)

Steering Group (n= 41)

Health Boards: Lead Consultants, Lead BMS
Microbiology and Virology Specialty Advisors
Infection Control Doctor
Health Protection Scotland / SHPN
SGHSC HAI policy unit
Scottish Reference Laboratories
Clinical Scientist Representative
SMVN AST Group / SAPG representative

Scottish Clinical
Virology
Consultants Group

Operational Group (SMOG)

PCR User's Group

Cystic Fibrosis Microbiology Group

Scottish Diagnostic Virology Group

AST AMR Group

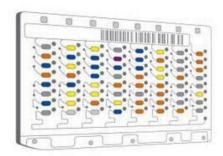
Mycobacterial Services Group

Enteric PCR Group

EARLY / CONTINUING SUCCESSES

Antimicrobial Susceptibility Testing (AST)

- Automated testing: single supplier of equipment and consumables.
- National contracts for equipment (2007) and consumables (current).
- Scottish bespoke antibiotic testing panels.
- Equipment software customised for Scotland (EUCAST interpretive criteria).
- Standardisation of disc diffusion testing
- New threat: carbapenemase producing organisms (CPO)
 Standardised testing, reporting, test & report codes
- Close collaboration with HPS (ECOSS)





LATEST SUCCESS

Molecular Diagnostics for Rapid Detection of TB

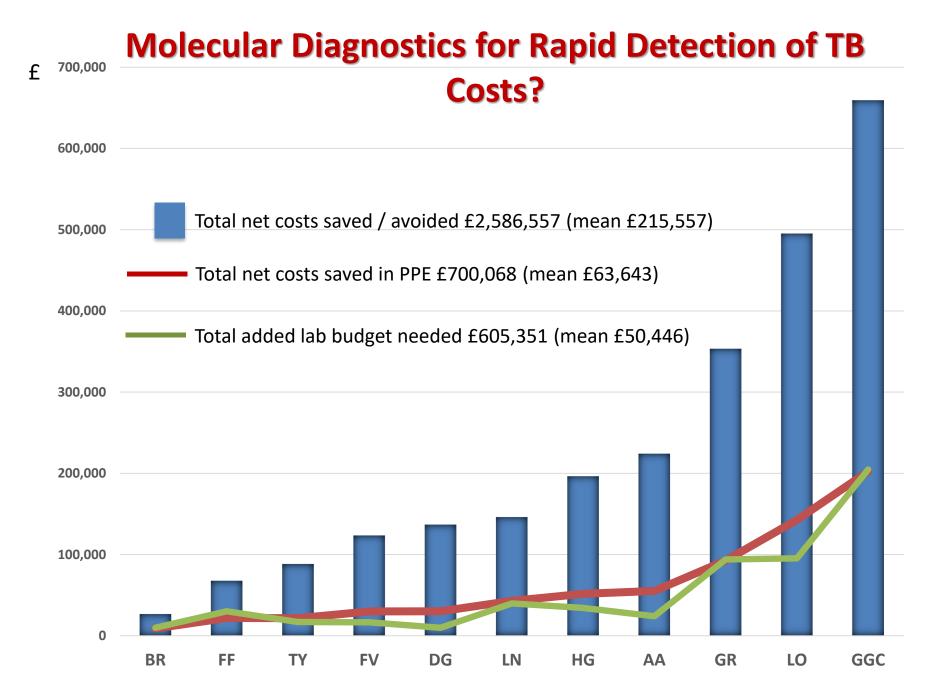
CURRENT

- Gold standard test = cultureUp to 12 weeks for a result
- Screen = smear
 Sensitivity 46-78%, specificity 50%
 Inexpensive test
 Highly skilled staff needed

FUTURE

- Gold standard test = culture
- Screen = molecular test
 Triaged samples, high probability of TB
 Excellent sensitivity & specificity
 Relatively expensive test
 No special skills needed
- Screen = smearAll other samples, low probability of TB





COMMUNICATION / EDUCATION

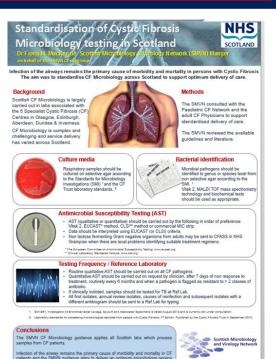
NEWSLETTER



WEBSITE



POSTERS



EDUCATIONAL MEETINGS



www.smvn.scot.nhs.uk

Infection of the airway remains the primary cause of morbidity and mortality in CF patients and the SM/N guidance aims to deliver an optimum microbiology service to this group of patients regardless of the geographical location of the patient which is likely to vary throughout their life.

