SCIMP Services

Scottish Clinical Information in Practice – Service Provision and Engagement

SCIMP

Scottish Clinical Information
Management In Practice

Document control

Version history

Version	Date	Comments
0.1	3-Aug-2016	DRAFT early
1.0	14-Sep-2016	Version 1 for WG review
1.1	23-Sep-2016	Changes all accepted, awaiting Board signoff

Reviewed by

Initials	Date	Comments

Other field

File reference(s)

Contents

1 Description

This document describes the services SCIMP provides to NHS Scotland and outlines the processes for these to be accessed by NSS and SG eHealth.

2 SCIMP Background

SCIMP is a clinically led team of specialists in health informatics contracted by NHS Scotland to lead and provide advice on eHealth and its implementation in NHS projects.

The SCIMP consultancy team consists of members from different backgrounds including practicing GPs, practice managers and clinical health informaticians. By working collaboratively SCIMP is able to share knowledge amongst its members providing a broad overview of the eHealth landscape.

SCIMP has a responsibility and role to lead on change and innovation. Our members work across multiple domains and UK countries (and internationally) in a wide variety of roles making us uniquely positioned to highlight new ways of working and successful practice,

SCIMP is a respected brand across the UK eHealth community recognised as providing leadership and innovation; influential and professionally driven to improve the health of UK citizens using eHealth.

3 SCIMP Services

SCIMP services are centred on the provision of professional clinical health informatics advice from an expert primary care domain perspective.

SCIMP can provide authoritative clinical health informatics oversight and validation of eHealth programmes and projects - essential components in successful delivery.

In the table below we outline the key services provided by SCIMP with examples of practical outputs that the team can provide and describe the skills and experience that underpin our work.

Service	Example roles and functions	Relevant Skills and experience
Clinical Information Officer Leadership	• Membership of project teams and boards. • Lead for eHealth projects in general practice	Members are experienced at chairing and contributing to committee level discussions and taking lead roles in promoting and directing clinical priorities in eHealth.
Business process analysis	• Project document review. • Meetings or consultancy on specific issues. • Workflow analysis, diagramming, advice, documentation.	Members have extensive experience in business process change, modelling and design, and in analysing impact of proposed change in real clinical environments.
Requirements analysis and authoring	• Authoring and review of system requirements.	Members' experience includes working in industry and with GPIT systems providers; authoring and reviewing requirements; working with analysts, developers and testers; coding, publishing and maintaining software; handling user requests for change.
Clinical terminologies	• Advice and training on use of Read Codes and SNOMED CT. • Code analysis for subset provision and maintenance. • Terminology mapping and use of Read Codes and SNOMED CT as interface terminologies. • Use of terminologies for data collection, searching, reporting and analysis. • Applied use of terminologies in business rules, clinical protocols, pathways and decision support. • Authoring and maintenance of refsets.	SCIMP members bring detailed and extensive expertise in applied clinical terminologies with members experienced or trained to a high level in use of Read Codes and SNOMED CT. We bring a pragmatic, clinical and general practice perspective to the use of terminologies.
Clinical modelling	• Design and authoring of information models for use in eHealth systems. • Review and advice on creation, maintenance and publication of clinical information models. • Managing collaboration in model design and management. • Advice on and definition of terminology bindings. • Training on clinical modelling.	SCIMP members have extensive experience in designing and contributing to clinical information models for use in eHealth systems and interoperable messages.
Interoperability and clinical messaging	• Advice on clinical data exchange and use across and between eHealth record systems. • Advice on clinical messaging standards, syntax, authoring and validation. • Clinical safety assurance. • Advice on use of HL7V3, SCIXML, HL7 FHIR, OpenEHR	SCIMP members' skills include UK expertise on GP2GP, OpenEHR, HL7 V3 and HL7 FHIR; able to review and interpret XML messages and content. Analysis and provision of data definitions against narrative requirements.

Data Quality Improvement	- Advice on data recording and analysis. - Clinical data quality for use in direct and indirect care settings. - Advice on improving data quality in different settings and information systems. - Contextualising clinical data for secondary uses.	SCIMP members have provided advice on data quality in GP record systems including morbidity coding, data for KIS and ECS, and immunisations. With expert EHR system users in our team we can provide advice on improving data recording in clinical environments and on re-use of that data externally.
Clinical safety assurance	- Clinical safety review and analysis of eHealth systems - Hazard analysis and mitigation - Clinical safety case authoring and review - Advice on implementation of SCCI0160 and SCCI0129.	SCIMP members are accredited clinical safety officers with hands on, practical experience of clinical safety processes and assurance of eHealth systems.
Information governance, data protection, privacy and consent	- Advice on application of Data Protection and Caldicott as applied to eHealth. - Advice on privacy and consent, uses of data for direct and indirect care as well as secondary uses. - Advice on models of consent and implementation of consent in systems.	SCIMP members have key experience and skills in helping to apply best practice in clinical information governance to eHealth systems, particularly with access to records for direct, indirect care and secondary uses.
Electronic medication and prescribing	- ePrescribing workflow and business processes advice - Advice on use of dm+d - ePrescribing systems requirements - Medication modelling for message exchange - Adverse drug reactions and allergies modelling and data interoperability - Computable dose syntax	SCIMP members have excellent understanding of dm+d and can advise on its utilisation in e-prescribing systems. SCIMP has authored the NHS Scotland dose syntax specification and is able to advise on its implementation. SCIMP manages clinical models for medications and adverse drug reactions being adopted by PRSB for interoperating discharge data.
Document management	- Advice on business processes for use of document management systems. - Scanning and archive scanning - Document naming and indexing.	SCIMP has provided advice on paperless working, scanning and archive ("back –scanning") of historical records, and of use of the NHS Scotland National Folder Structure. SCIMP members were instrumental in the authoring of the NHS Scotland Clinical Document Indexing standard.
Clinical decision support systems	- Advice on best practice and use of decision support systems - Prescribing decision support implementation and assessment	SCIMP Members have interests in the design and implementation of clinical decision support systems including

		prescribing decision support. SCIMP can advise on prescribing safety with support from decision support checking.
General practice contracts implementations	• Advice on the use of eHealth services and tools in the delivery of GP contracts	Experienced practice managers on our team are able to advise on the practical implementation and support for GP Contracts, such as indicator and quality management and reporting.
General practice management	• Advice on the use of eHealth services and tools for managing general practices	Our practice manager members have experience with different eHealth systems and a wide variety of other software used for managing practice business, as well as across different practices and locales.
Clinical process management in eHealth systems in practice	• Authoring documentation and providing guidance on best use of EHR systems in general practice	SCIMP has authored and published many documents to support general practices in their day to day work. SCIMP members include executive members of GP IT system user groups in Scotland and across the UK, and many expert users of these systems.

4 Accessing SCIMP Services

SCIMP is a resource to support NHS Scotland eHealth organisations at Scottish Government and NHS National Services Scotland.

To enquire about SCIMP services please e-mail us in the first instance, or telephone either the Clinical Lead or SCIMP Support Officer. Contact details at the end of this document or from our website.

SCIMP are happy to help scope the amount and level of clinical health informatics input that a project may require before formally engaging for defined services.

5 Costs of SCIMP Services

Simple inquiries, project initiation and scoping assistance are normally supported from the SCIMP core funding to help projects determine the level and types of health informatics support they require.

Where a project requires specific pieces of work or ongoing SCIMP consultation there may be a requirement to cross fund this from the specific project to SCIMP budget via NSS, or to seek agreement with SCIMP Board for other funding arrangements such as using SCIMP core budgets.

We estimate the cost of work based on a standard day rate of £460 (Oct 2016 onwards). It is essential that projects using SCIMP services account for the costs of providing the service or we may be unable to support the work you are doing.

Approval of SCIMP undertaking work can be provided by the SCIMP Clinical Lead for small, well defined contributions but larger projects may require the approval of the SCIMP Board.

For information, the template used for defining new work is at the end of this document. SCIMP clinical lead will complete this in agreement and discussion with the project sponsor. As above, the tasks of scoping SCIMP contributions and completing the service agreement are normally funded via SCIMP core funding.

6 The SCIMP Team

The SCIMP working group team consists of 17 individual members and, in addition, we have a consultative group with an additional nine representatives from various other eHealth related organisations across Scotland.

The individual members of SCIMP and their primary roles, experience, skills and interests are detailed below.

Name	Dr Paul Miller
Roles	SCIMP Clinical Lead General Practitioner, Paisley Chairman, National Vision User Group
Qualifications / Memberships	MBChB, MRCGP, DRCOG, Dip Med Info RCGP Health Informatics Group UKCHIP Level 3 SNOMED CT Foundation and Implementation Course Clinical Safety Officer accreditation
Areas of interest and experience	Clinical terminologies: Read V2, SNOMED CT; Clinical Safety; Requirements analysis; Clinical modelling; Business workflow analysis; Data Quality; Information Governance; Electronic Prescribing; Clinical Decision Support; GP domain expertise

Name	Dr Colin Brown
Professional Roles	Clinical Informatics Adviser GP until 2014
Qualifications / Memberships	MBBChir, FRCGP RCGP Health Informatics Group SNOMED CT Masterclass Clinical Safety accredited Member BCS
Areas of interest and experience	Clinical terminologies; Clinical Safety; Clinical modelling; Business workflow analysis; Information Governance; Interoperability: Dose Syntax, IAM GP domain expertise: Data Quality, Document management

Name	Dr Keith Burns
Professional Roles	SCIMP Individual Member EMIS NUG User Group Scottish National User Group Locum & OOH General Practitioner Western Isles Health Board IT Lead
Qualifications / Memberships	MbChB

Areas of interest and experience	SNOMED CT; Clinical Safety; Requirements analysis; Data Quality; Information Governance; Electronic Prescribing; Clinical Decision Support; Data sharing; Primary and Secondary Care Communication; Out of Hours IT.

Name	Dr Iain Cromarty
Professional Roles	General Medical Practitioner
Qualifications / Memberships	MBChB, MSc (General Practice), FRCGP, DAvMed SCIMP Working Group Primary Care representative eHealth Board NHS Orkney SNUG organiser Orkney
Areas of interest and experience	User interface, Testing, Data extraction and analysis, Data quality. >25 years practical experience of introduction of systems into use.

Name	Dr John Duke
Professional Roles	SCIMP Individual Member General Practitioner, Stewarton
Qualifications / Memberships	MBChB
Areas of interest and experience	GP domain expertise; Data Quality; Information Governance; Electronic Prescribing; Clinical Decision Support; Applying IT in improving patient care and aiding health professionals in their role.

Name	Dr Leo Fogarty
Professional Roles	Clinical Informatician SCIMP Individual Member Member of Joint GP IT Committee Member of RCGP Health Informatics Group Clinical Lead GP2GP Scotland Clinical Safety Officer GP2GP England / SCR / Spine 2
Qualifications / Memberships	MB BS FRCGP Clinical Safety Officer accreditation
Areas of interest and experience	Semantic Interoperability, Terminologies, Clinical Modelling, Standards Development, Clinical Safety, Message Development

Name	Dr Richard Jack
Professional Roles	SCIMP Individual Member Salaried GP Edinburgh, OOH GP (LUCS)
Qualifications / Memberships	BSc, MBChB, MRCGP
Areas of interest and experience	Clinical domain experience and practical IT use.

Name	Dr Karen Lefevre
Professional Roles	General Practitioner, Clinical Practitioner for Rehabilitation ward at Community Hospital.
Qualifications / Memberships	M.Sc, MBBS, MRCGP, Snomed CT Foundation course 2015
Areas of interest and experience	Coding and terminologies - Read and SNOMED CT. Electronic information recording and use within Primary Care settings. Experience in devising datasets and data entry templates. Previous research experience working with PCCIU in collection of anonymised GP data and collating to large datasets with development of reports and providing advice on use and interpretation of this data in research projects (Dept. General Practice, University of Aberdeen). Worked within Scotland and 4 nations in review and maintenance of QOF datasets since inception of QOF. Developed GP coding advice documentation for QOF and immunisation programmes within Scotland. More recently part of Working Group looking at implications of SNOMED CT within Scotland.

Name	Dr Susannah McLean
Professional Roles	SCIMP Individual Member Salaried GP Kirkliston, West Lothian Visiting academic fellow, University of Edinburgh, AsthmaUK
Qualifications / Memberships	MBBS (Bachelor of Medicine, Bachelor of Surgery) MRCGP (Member of Royal College of GPs) DRCOG (Diploma of the Royal College of Obs and Gynae) DCH (Diploma of the Royal College of Child Health) MRes (Masters by Research, University of Edinburgh, Population Health Sciences) PhD (University of Edinburgh, Population Health Sciences)
Areas of interest and experience	Research interests in routinely collected data, telehealth, and computer decision support systems especially in asthma and COPD. Clinical domain experience and practical IT User.

Name	Dr Ian McNicoll
Professional Roles	Former GP Full-time Clinical Informatician SCIMP Individual Member Co-chair openEHR Foundation Director HANDIHealth CIC Research Associate, University College London

Qualifications / Memberships	MbChB
	MSc in Health Informatics, Univ. of Bath
Areas of interest and experience	Clinical content modelling, terminology.
	Standards development, interoperability.
	Health system implementation.

Name	Roslynn O'Connor
Professional Roles	Practice Manager
	SCIMP Individual Member
	SNUG Regional Co-ordinator
	NVUG Panel Member
Qualifications / Memberships	HND Business Manager
	HND Accounts
Areas of interest and experience	GP Business Process, Practice Management, Data Transfer, Interoperability, Quality Standards

Name	Dr Lindsey Ross
Professional Roles	GP, Senior Undergraduate Tutor Aberdeen University
	Member of NHS Highland BBV Sexual Health Strategy group
	SCIMP Individual member.
Qualifications / Memberships	BSC Hons MB chB FPC MRCGP DFSRH
	Member of RCGP, BMA, PBSGL
Areas of interest and experience	IT use in Primary Care, Blood borne Viruses, Substance Misuse, Community Hospitals, Patient Safety, Patient Participation Groups.

Name	Dr Alastair Taylor
Professional Roles	SCIMP Individual Member
	SGPC Representative
	General Medical Practitioner, Bearsden
	Vice Chair of the Area Medical Committee Glasgow and Clyde Health Board Chairman of GP Subcommittee Greater Glasgow and Clyde Health Board Chairman Glasgow Local Medical Committee
Qualifications / Memberships	MBChB, MRCGP, DRCOG
	SGPC Member
Areas of interest and experience	GP Order Comms; GP business processes; GP contracts and implementation

Name	Dr Ian Thompson
Professional Roles	ECS Service Board Chair
	EMIS CAB Chair

	Member EMIS PAB
	Member SCIMP WG
	Joint Regional co-ordinator SNUG
	Chair Lothian EMIS Local User Group
	General Practitioner, East Linton
	Primary Care eHealth Advisor Scottish Government
Qualifications / Memberships	MBBS, MSc (Healthcare Informatics), PhD (Artificial Neural Networks in Medicine), MRCGP, MBCS, DFSRH
	RCGP Health Informatics Group
	HSCIC Accredited Clinical Safety Officer
Areas of interest and experience	Clinical terminologies: Read V2; Clinical Safety; Information Governance; Electronic Prescribing; Clinical modelling; Clinical Decision Support; GP domain expertise; Data Quality: Process Mapping within Primary Care setting; Negotiation Skills
	Interest: SNOMED CT, FHIR and Clinical System Interoperability

Name	**Dr Bruce Thomson**
Professional Roles	General Medical Practitioner Uddingston
	NHSLanarkshire GPIT Advisor
	Chair Scottish GPIT CAB
	Chair Scottish GP2GP Project Board
	Scottish National User Group Lanarkshire Representative
	Member SCIMP WG
Qualifications / Memberships	MBChB, FRCGP, DRCOG, DipOccMed
Areas of interest and experience	Interests include Primary /Secondary care IT interface, GP2GP, GP business processes, GP Domain expertise, Data Quality and Data Sharing, Information Governance

Name	**Andrew Vickerstaff**
Professional Roles	Practice Manager – Highland remote & rural GP practice
	Secretary National Vision User Group
	NES Trainer - GP Manager Vocational Training Scheme
Qualifications / Memberships	MA, MEng, MBA
	Member IHM
Areas of interest and experience	General practice management, GP dispensing, Pharmacy management, clinical IT systems, contract negotiation, practice finance

Name	**Dr Christopher Weatherburn**
Other Professional Roles	GP Lead, Dundee H&SC Partnership
	GP Salaried, Lochee Health Centre

	GP Locum & OOH, Tayside
Qualifications / Memberships	MBChB MRCP MRCGP FRSPH MAcadMEd AMBCS SNOMED CT Foundation Course
Areas of interest and experience	Interests include data assessment, health care research, business workflow analysis, decision support systems and quality improvement.

SCIMP New Work Terms of Reference

1. Request (completed / agreed by Sponsor)

Title	
Sponsor	*Who is commissioning and funding the work*
Sponsor's description of work	
Constraints and assumptions	*e.g. timeframe, availability*
Date of request	

2. Scoping (completed by SCIMP Clinical Lead +/- input from SCIMP WG)

SCIMP understanding of work required	
Main activities to be undertaken	*Based on the high level set of SCIMP activities, e.g. clinical safety*
Deliverables	*e.g. report, terminology subset, signed off safety review*
Scope	*What is in scope and out of scope*
Governance	*Who the work will report to (SCIMP and Sponsor reporting routes)*
Timescale/ estimate of effort	*Sessions, skillset, elapsed time, etc*
Cost estimate	*Based on sessional rate, travel, etc*
Assumptions	*e.g. access to people, information, etc*
Additional information	
Date of scoping	

3. Assessment (completed by SCIMP Clinical Lead)

Strategic fit	High/ medium/ low
Specific need for SCIMP input	High/ medium/ low
Priority level	Urgent/ Important/ Low importance
Proposed project team	*SCIMP member(s) to be involved*
Capacity constraints	*e.g. resource not available until….*
Impact on other SCIMP activity	*e.g. need to postpone or stop*
Funding route	SCIMP core/ Sponsor
Funding confirmation	Yes/ No
Additional information	
Approval level required	Clinical lead/ NSS IT/ SCIMP Board
Date of assessment	

4. Approval (completed by appropriate governance level)

Approved	Yes/ No
Conditions of approval	*e.g. work beyond that agreed will require further consideration/ approval*
Date of approval	