



SPIRE

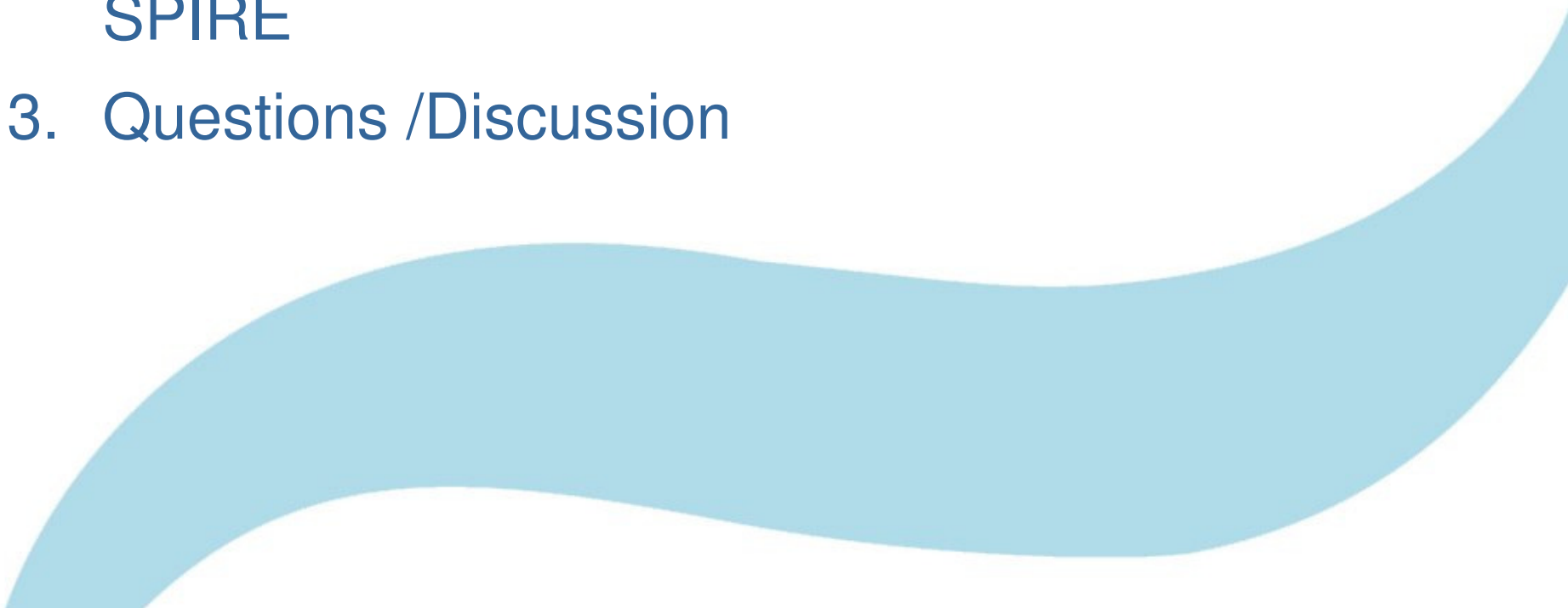
SCOTTISH PRIMARY CARE
INFORMATION RESOURCE

SCIMP 2014

Peter Martin/Eddie Adie

SPIRE Project Team

Workshop Format

1. Update on Progress with the SPIRE Project
 2. Demonstration of the software that will support SPIRE
 3. Questions /Discussion
- 

High-Level Objectives

- To provide a secure national, Scotland wide, GP data extraction/reporting service
 - Mechanism for QOF data extraction (16/17)
- To provide a national service to facilitate analysis of GP data to meet the intelligence requirements of GP practices, NHS Boards, Research and the Scottish Government
- The service will include robust information governance to satisfy patient requirements for safe processing of information.

Project Status at SCIMP '13

Key Milestones to date

- Outline Business Case signed off
- IG Principles & Arrangements signed off
- Initial Stakeholder engagement

Next Steps

- Procurement of Data Extraction/Reporting Solution
- Full Business Case development/approval
- IT Infrastructure design/development
- Set up IAG
- Further develop Communication/Engagement Strategy
- Identifying 'pathfinder' practices

IT Procurement

Process - December 2013 - July 2014

*Winning Bid - **MSDi***

- *GP Practice Data Extraction/Reporting Solution*
- *Contract signed on 7th Aug (3 years +1 +1)*
- *Software in over 2,800 practices in the UK*
 - *clinical data management and support tools*
- *Provider of data extraction software in GGHB*
- *GP Contract Payments System for QOF*

Full Business Case approved June '14

- *Funding from SG, NSS and Farr Institute agreed*

IT Implementation

- IT Infrastructure – design finalisation/development
 - GP Practice Data Extraction/Reporting Solution
 - ‘Safe Haven’ Environment for Data Storage/Management/Access
 - Secure Transport Mechanism
- End-to-end testing
 - Development of initial extracts/reports
- Engagement around roll-out to practices
- QOF
- Team development
- **Implementation Plan**

IG Framework Key Elements

- SPIRE Steering Group (IAG)
 - Oversee SPIRE and its development
 - Scrutinise all new proposed data extracts/linkages
 - Chaired by Frances Elliot (Deputy CMO)
 - Building on / linking with PAC / NPAC
- Practices can choose which elements they want to participate in
 - QOF
 - Bespoke extracts (possibly recurring)
 - National dataset
- Patients will be able to opt-out of any PID being extracted through SPIRE

Comms/Engagement

- Objectives
 - inform and reassure both public and Health Professionals
 - emphasise benefits
- Progress
 - Strategy workshop held in August with key stakeholder reps
 - Comms strategy/plan being developed Sept/October
- What's next
 - Campaign timings will be developed in line with project implementation dates
 - Research with the general public into how we position/describe SPIRE
 - Identify media to use for both patients and Health Professionals

GP Pathfinding

Set of Practices to

- Explore & develop how GPs can benefit
 - from SPIRE solution functionality
 - wider range of NSS products
- Help to develop publicity/comms strategy/materials
- ‘Critical friends’
- Champions
- IT Testing
- Development of Training

Potential Areas of Development

Local Enhanced Services

- access
- warfarin

Direct Enhance Services

- Child health
- Vaccinations

HB Audits e.g. COPD & CHD

GP Revalidation

Workload

Practice Demographics

Risk Stratification

Polypharmacy

Repeat Prescribing

KIS and palliative care coding

HIS Quality markers

Multimorbidity

Locality Planning (Health &
Social Care Integration)

Learning Disabilities

SPIRE System Demonstration

Helen Treacher

SPIRE Local - @ the practice


Benefits for GP Practices


- Easy Maintenance
- Transparent Opt in/out
- Local Reports




Practice Consent

MSDi SPIRE Local Portal

 **SPIRE Local**

 **NHS**
SCOTLAND

 **My Schedules**

Exit to Dashboard x

New Schedules

Query	Type	Start Date	End Date	Schedule	Details
Flu Surveillance	Bespoke	01/09/2014	01/09/2014	One-off	...

View Rationale

Opt-in

Opt-out

Run History

Service Settings

Acknowledged Schedules

Query	Type	Start Date	End Date	Schedule	Details	Opted In
DM diagnosis with review las	Bespoke	01/09/2014	01/09/2014	One-off	...	✓
QOF 27	QOF	01/05/2014	01/04/2015	Monthly (day 1)	...	✓
Patients with CHD over17 ye	Bespoke	01/09/2014	01/09/2015	Monthly (day 1)	...	✓
National Database Extract	National	01/04/2014	01/04/2015	Monthly (day 1)	...	✓
Biopsy admin	National	17/09/2014	17/10/2014	Monthly (day 17)	...	✓
COPD who smoke	National	01/09/2014	28/11/2014	Weekly (Monday)	...	✓
QMax Tidyups	System	01/05/2014	31/12/9999	Daily	...	

Test - Test

[Link to SPIRE Central](#)

Logged in as admin | [Log out](#) | [User Maintenance](#)

Settings

National GP Extract: ☒ Opt-in ☐ Opt-out

QOF Extract: ☒ Opt-in ☐ Opt-out

Bespoke Extract Service: ☒ Opt-in ☐ Opt-out

Non-Patient Identifiable Bespoke Extracts

Automatically accept every query ☒


Positive consent for every query ☐

New Extract Alert Email:


admin@nhs.net

OK


Cancel




Ms
My Schedules




Ar
Audit Reporting



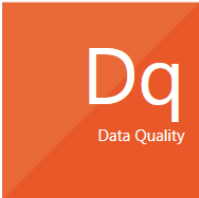
QoF
QoF Scorecard




Pc
Patient Consent



Qv
Query Viewer



Dq
Data Quality




Rd
Reports Display


[News & Updates](#)


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Patient Consent

MSDi SPIRE Local Portal

 **SPIRE Local**



 **Patient Consent**

[Exit to Dashboard x](#)

Search Patients

First Name:

Surname:

Vision ID:

CHI Number:

Date of Birth:

Consent: ☒ Opted-Out ☒ Opted-In

[Search](#) [Reset](#)

Patient Results

Number of patients: 10784

First Name	Surname	DOB	Reg Date	CHI	Vision ID	Opted-In	Reason	Changed Date	Changed By
KAREN TRACEY	COX	07/08/1977	30/08/1976	7708074364	93	✗	Imported code 93C1. from VISION	21/05/2001	System
DAVID HENRY	LEE	13/05/1942	15/07/2001	4205139974	6748	✓	(Opted in by default)		
GARY RICHARD	EDWARD	22/01/1975	29/07/2001	7501222551	6749	✓	(Opted in by default)		
JACK ANTONY	HARRY	20/11/2001	29/07/2001	0111203952	6750	✓	(Opted in by default)		
TINA LOUISE	DOYLE	04/02/1993	06/12/2011	9302048313	675	✓	(Opted in by default)		
VALERIE	CLUTTON	25/02/1957	06/08/2001	5702253405	6744	✓	(Opted in by default)		
PEARL DIANNE	FAGAN	22/11/1955	16/09/2009	5511221334	6743	✓	(Opted in by default)		
KENNETH	ANTHONY	13/05/1955	07/07/2001	5505139918	6745	✓	(Opted in by default)		
MICHAEL PETER	TYLER	20/03/1938	29/07/2001	3803204753	6747	✓	(Opted in by default)		
STEVEN	DOUGLAS	11/01/1967	29/07/2001	6701112327	6746	✓	(Opted in by default)		
CRAIG STANLEY	GRAHAM	24/12/1969	29/07/2001	6912241453	6751	✓	(Opted in by default)		
KAREN	LOCAL	07/05/1970	06/12/2011	7005031530	6750	✓	(Opted in by default)		

[Opt-In...](#)
[Opt-Out...](#)

Test - Test

[Link to SPIRE Central](#)

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QOF



SPIRE Local GP System



Quality & Outcomes Framework

The general practitioners performance management and payment system.

[Exit to Dashboard](#) ×

All Indicator Categories

Points

Choose Financial Year

2013 - 2014

Audit Based Date

01-Feb-2014

Clinical	+
Additional Services	-
Cervical Screening	20.69 / 22.00
Child Health Surveillance	6.00 / 6.00
Maternity Services	6.00 / 6.00
Contraceptive Services	9.63 / 10.00
Total	42.32 / 44.00
Quality & Productivity	+
Patient Experience	+
Quality Improvement	+
Medicines Management	+
Public Health	+
Overall Total	804.11 / 923.00

[P/B Manager](#)

[Zoom In](#)

[Zoom Out](#)

[Logoff](#)

Total Points against Time for:-

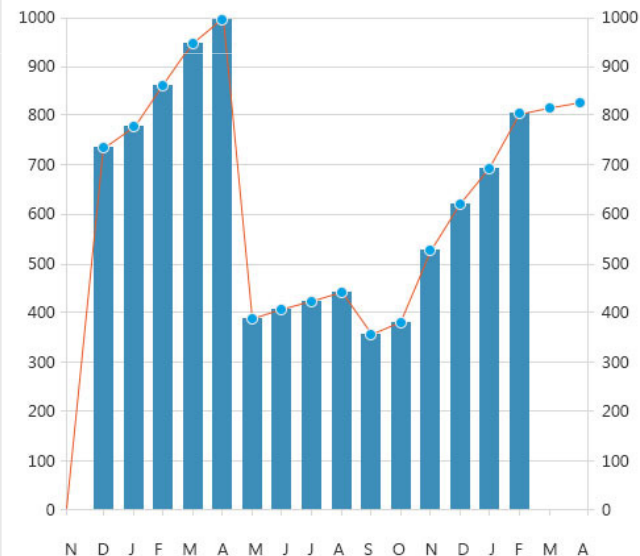
All Indicator Categories

Current Point = 804.11, Practice Code 000

Key:

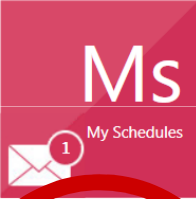






Points

Projections



🔒 Logged in as admin | [Logout](#)



 Ms My Schedules	 Ar Audit Reporting	 QoF QoF Scorecard	 Pc Patient Consent
 Qv Query Viewer	 Dq Data Quality	 Rd Reports Display	News & Updates

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Query Viewer

[Exit to Dashboard](#) x[National Query](#)[Bespoke Query](#)[Local GP Query](#)Query: 

01-Mar-2014



3843 Patients Analysed:

- Fracture Risk and Osteoporosis
 - Fracture Risk (3843 Patients)
 - Patients aged 40-74 (707 Patients)
 - Patients with 1 or more Fracture Risk events (109 Patients)
 - Fragility Fractures or History of Fragility Fractures
 - NOT had a DEXA Scan
 - Patients with Crohn's Disease (1 Patient)
 - NOT had a DEXA Scan (1 Patient)
 - Patients with Ankylosing Spondylitis
 - NOT had a DEXA Scan
 - Patients with Premature Menopause (1 Patient)
 - NOT had a DEXA Scan (1 Patient)
 - Patients with Rheumatoid Arthritis (3 Patients)
 - NOT had a DEXA Scan (3 Patients)
 - Chronic Alcohol Abuse (37 Patients)
 - NOT had a DEXA Scan (36 Patient)
 - BMI < 22 (73 Patients)
 - NOT had a DEXA Scan (72 Patients)

[Patients List](#)[Demographics](#)[Patient Changes](#)[Historic Trends](#)

Patients aged 40 - 74

Name	Gender	Age	DOB	GP
ABBOTT, Christopher (Mr)	M	42	22-Feb-1971	CF2508
ABBOTT, Ellis (Mr)	M	50	09-Aug-1963	PO8114
ABBOTT, Kelly (Mrs)	F	46	02-Feb-1968	DF7865
ACKERMANN, Frazer (Mr)	M	53	18-Feb-1961	KF6553
ACKERMANN, Ruth (Mrs)	F	55	16-May-1958	HP7670
ACKERMANN, Shelia (Miss)	F	57	23-Jul-1956	AE4134
ACKERMANN, Sheridan (Mr)	M	51	05-Feb-1963	CF2508
ALBANY, Charlene (Mrs)	F	47	03-Nov-1966	PO8114
ALBANY, Charlotte (Miss)	F	41	02-Oct-1972	DF7865
ALBANY, Hugh (Mr)	M	58	09-Feb-1958	KF6553
ALBANY, Lewis (Mr)	M	44	16-May-1947	HP7670
ALBANY, Neville (Mr)	M	53	19-04-April-1965	AE4134
ANDERSON, Blaine (Mr)	M	73	06-Jan-1973	CF2508
ANDERSON, Lucas (Mr)	M	46	31-Jan-1956	PO8114
ANDERSON, Max (Mr)	M	54	12-Mar-1969	DF7865
ANDERSON, Melvyn (Mr)	M	43	040-Jul-1960	KF6553

Query: Fracture Risk and Osteoporosis



01-Mar-2014



3843 Patients Analysed:

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 - NOT had a DEXA Scan (3 Patients)
 - Chronic Alcohol Abuse (37 Patients)
 - NOT had a DEXA Scan (36 Patient)
 - BMI < 22 (73 Patients)
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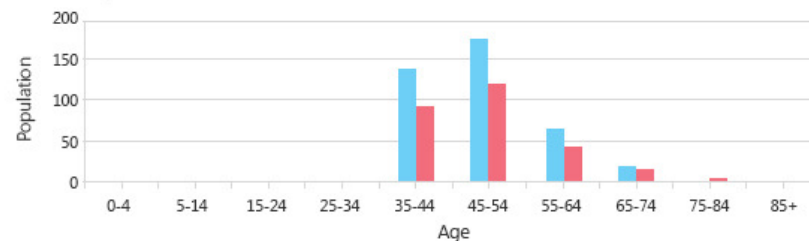
Patient List

Demographics

Patient Changes

Historic Trends

Patients aged 40 - 74



Gender	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Male	0	0	0	0	136	189	74	26	0	0
Female	0	0	0	0	79	123	53	25	2	0

Name	Gender	Age	DOB	GP
ABBOTT, Christopher (Mr)	M	42	22-Feb-1971	CF2508
ALBANY, Charlene (Mrs)	F	41	02-Oct-1972	PO8114
ALBANY, Neville (Mr)	M	41	06-Jan-1973	DF7865
ANDERSON, Lucas (Mr)	M	44	12-Mar-1969	KF6553
ANGELSTONE, Fay (Mrs)	F	43	13-Dec-1970	HP7670
ANGELSTONE, Jack (Mr)	M	41	23-Jun-1972	AE4134



Query Viewer

[Exit to Dashboard](#)[National Query](#)[Bespoke Query](#)[Local GP Query](#)Query:

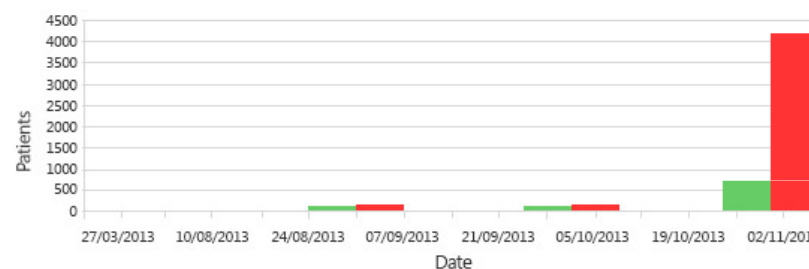
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[Patient List](#)[Demographics](#)[Patient Changes](#)[Historic Trends](#)

Patients aged 40 - 74



Date	01-Aug-2013	01-Sep-2013	01-Oct-2013	01-Nov-2013
Total	4151	4145	4141	704
Added		16	16	704
Removed		22	20	4141

Name	Gender	Age	DOB	GP
ABBOTT, Christopher (Mr)	M	42	22-Feb-1971	CF2508
ALBANY, Charlene (Mrs)	F	41	02-Oct-1972	PO8114
ALBANY, Neville (Mr)	M	41	06-Jan-1973	DF7865
ANDERSON, Lucas (Mr)	M	44	12-Mar-1969	KF6553



Query Viewer

[Exit to Dashboard](#)[National Query](#)[Bespoke Query](#)[Local GP Query](#)

Query: Fracture Risk and Osteoporosis



01-Mar-2014



3843 Patients Analysed:

Fracture Risk and Osteoporosis

Fracture Risk (3843 Patients)

Patients aged 40-74 (707 Patients)

Patients with 1 or more Fracture Risk events (109 Patients)

Fragility Fractures or History of Fragility Fractures

NOT had a DEXA Scan

Patients with Crohn's Disease (1 Patient)

NOT had a DEXA Scan (1 Patient)

Patients with Ankylosing Spondylitis

NOT had a DEXA Scan

Patients with Premature Menopause (1 Patient)

NOT had a DEXA Scan (1 Patient)

Patients with Rheumatoid Arthritis (3 Patients)

NOT had a DEXA Scan (3 Patients)

Chronic Alcohol Abuse (37 Patients)

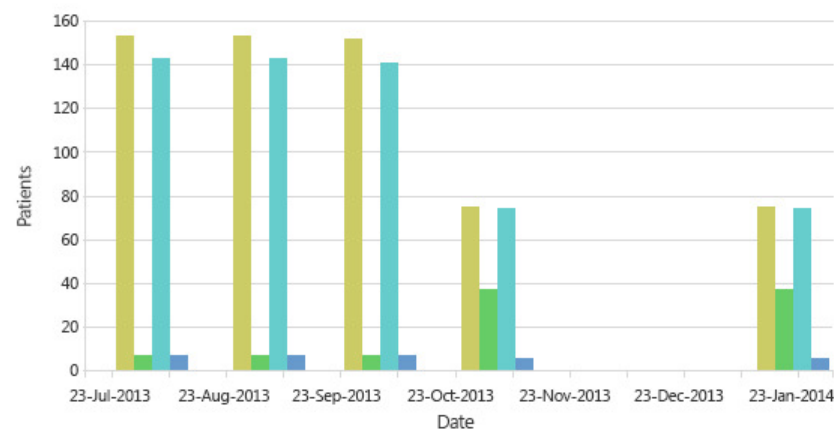
NOT had a DEXA Scan (36 Patient)

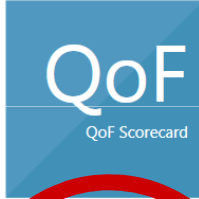
BMI < 22 (73 Patients)

NOT had a DEXA Scan (108 Patients)

[Patient List](#)[Demographics](#)[Patient Changes](#)[Historic Trends](#)

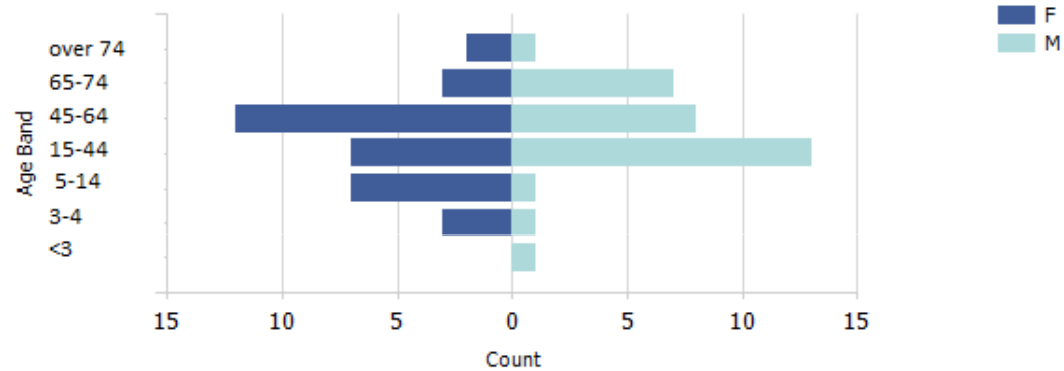
Query	01-Aug-2013	01-Sep-2013	01-Oct-2013	01-Nov-2013	01-Dec-2013
BMI < 22	152	151	150	73	73
Patients with Ankylosing Spondylitis	6	6	6	37	37
NOT had a DEXA Scan	142	141	141	72	73
Chronic Alcohol Abuse	6	6	6	4	4



 Ms My Schedules	 Ar Audit Reporting	 QoF QoF Scorecard	 Pc Patient Consent
 Qv Query Viewer	 Dq Data Quality	 Rd Reports Display	News & Updates

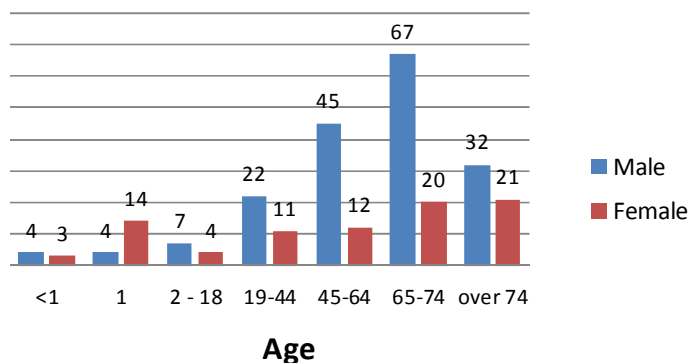
Support
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Patient Breakdown by Age

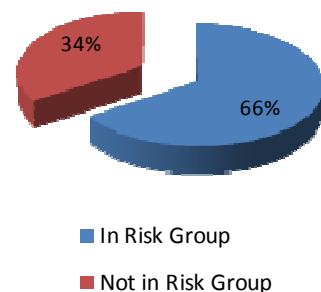


Forename	Surname	Date Of Birth	Gender
Imogen	Abbott	12/10/1974	F
Francis	Archer	06/01/1946	M
Murray	Archer	18/04/1955	M
Stephen	Archer	16/12/1946	M
Gemma	Ashcroft	24/11/1951	F

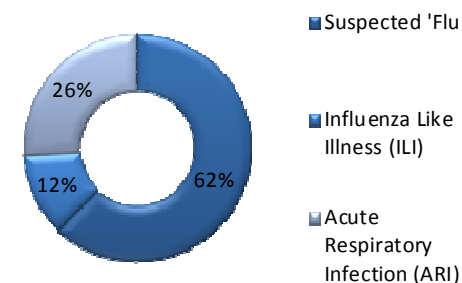
Influenza Cases



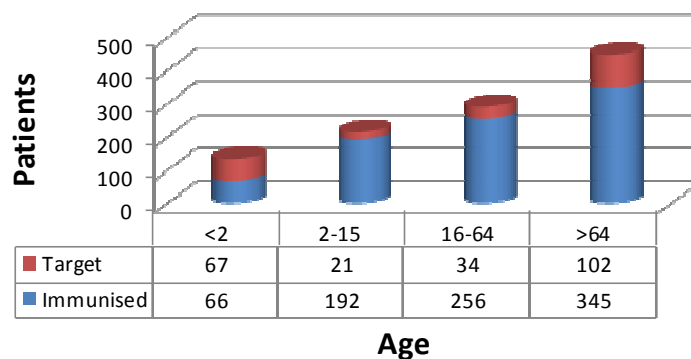
Vaccinated Pregnant Women



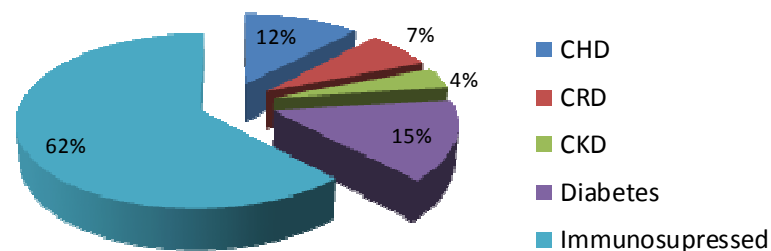
Influenza Cases



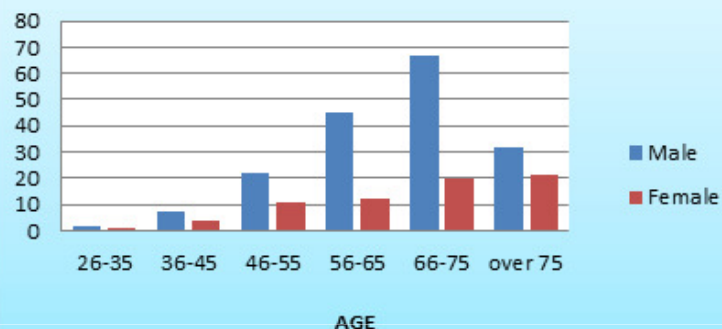
Vaccine Uptake



Patients with Clinical Risks



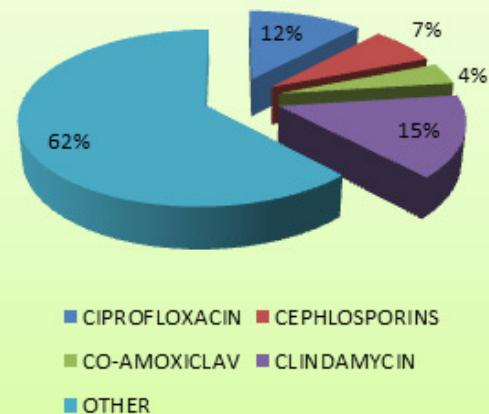
Beta Blockers in HF



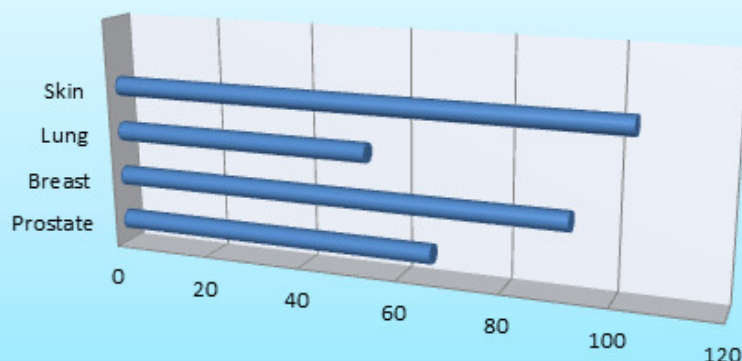
Oral Contraceptives & LARC

	Number of Patients
Oral Contraceptive Prescribed	531
No LARC information	103
LARC information <= 12 months	83
LARC information > 12 months	345

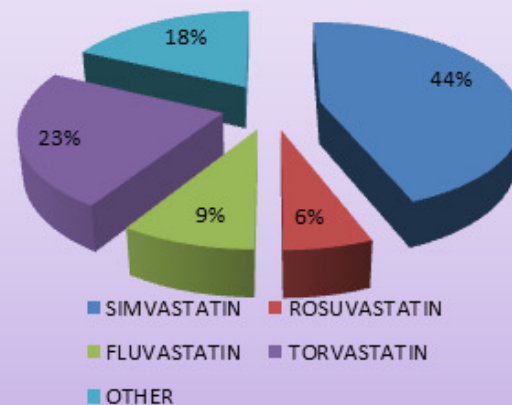
Antibiotic Prescribing Dr Smith



Cancer Register

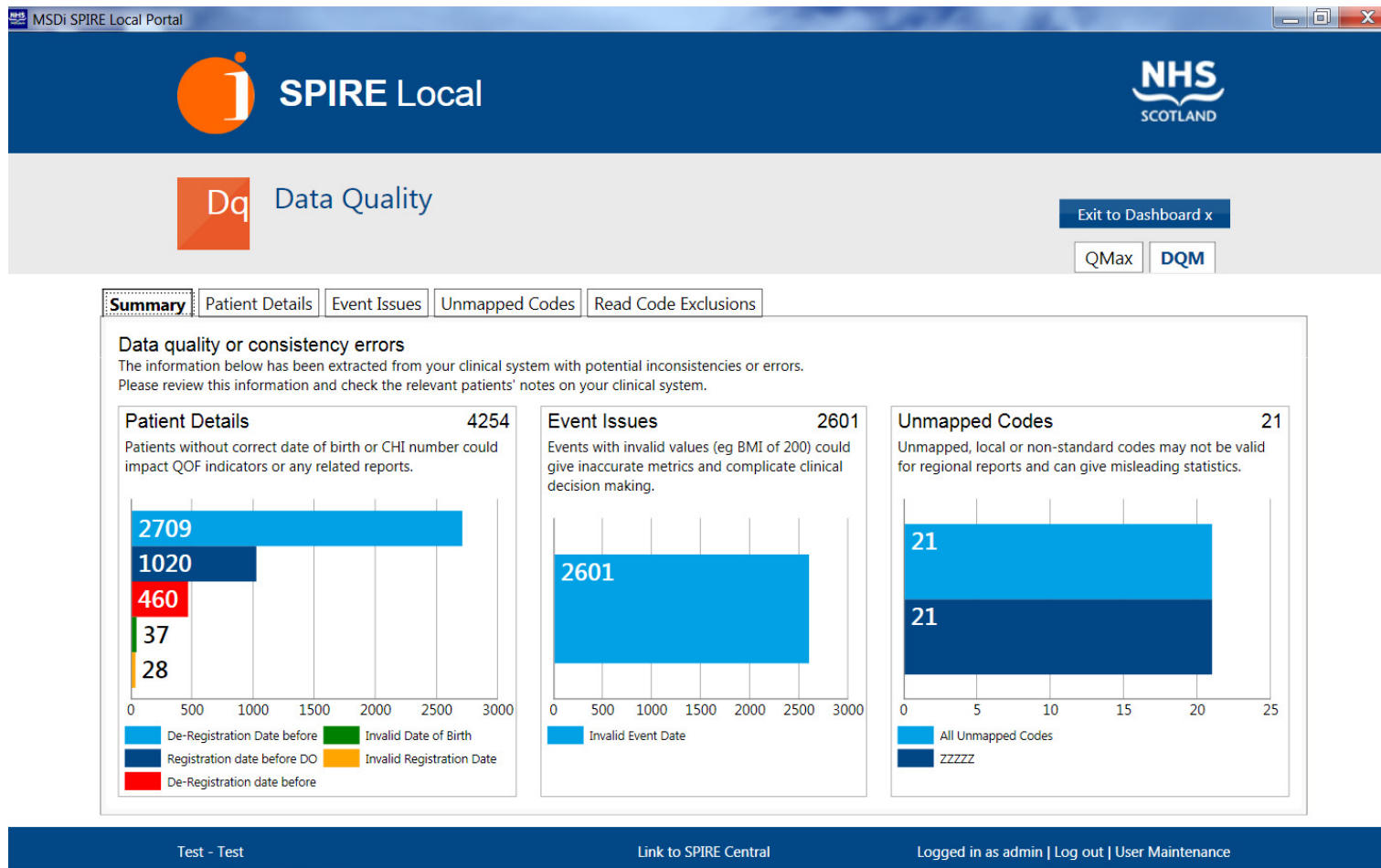


Statin Use



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 Qv Query Viewer	 Dq Data Quality	 Rd Reports Display	News & Updates

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Ms My Schedules

Exit to Dashboard

New Schedules

Query	Type	Start Date	End Date	Schedule	Details
15 Surveillance	Surveillance	01/09/2014	01/09/2014	One off	

Acknowledged Schedules

Query	Type	Start Date	End Date	Schedule	Details	Opted In
DM diagnosis with review las	Surveillance	01/09/2014	01/09/2014	One off		
QOP 27	QOP	01/09/2014	01/09/2014	Monthly (day 1)		
Patients with CHD over 7 yrs	Surveillance	01/09/2014	01/09/2014	Monthly (day 1)		
National Database Extract	National	01/09/2014	01/09/2014	Monthly (day 1)		
Ecology admin	National	01/09/2014	01/09/2014	Monthly (day 1)		
COVID-19 admin	National	01/09/2014	01/09/2014	Weekly (Monday)		
QMax Tidings	System	01/09/2014	01/09/2014	Daily		

MSD SPIRE Local Portal

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Pc Patient Consent

Exit to Dashboard

Search Patients

First Name: Surname: Vision ID: CHN Number: Date of Birth: Consent: ☐ Opted-Out ☐ Opted-In

Search Patients

Search Reset

Number of patients: 10784

First Name	Surname	DOB	Reg Date	CHN	Vision ID	Opted-In	Reason	Changed Date	Changed By
KAREN TRACY	COX	07/08/1977	30/08/2016	7708074364	93	X	Imported code 93CL from VISION	21/05/2001	System
DAVID HENRY	LIE	13/05/1942	15/07/2001	4205399974	6748		(Opted in by default)		
GARY RICHARD	EDWARD	22/01/1975	29/07/2001	7501222551	6748		(Opted in by default)		
JACK ANTHONY	HARRY	20/11/2001	29/07/2001	0111203952	6750		(Opted in by default)		
TINA LOUISE	DOYLE	04/02/1993	06/12/2011	9302048313	675		(Opted in by default)		
VALERIE	CLUTTON	25/02/1957	06/08/2001	5702534855	6744		(Opted in by default)		
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KENNETH	ANTHONY	13/05/1955	07/07/2001	5505139518	6745		(Opted in by default)		
MICHAEL PETER	TYLER	20/03/1938	29/07/2001	3803204753	6747		(Opted in by default)		
STEVEN	DOUGLAS	11/01/1967	29/07/2001	6701123237	6746		(Opted in by default)		
CRAIG STANLEY	GRAHAM	24/12/1969	29/07/2001	6912241453	6751		(Opted in by default)		

Ms My Schedules

Ar Audit Reporting

QoF QoF Scorecard

Pc Patient Consent

News & Updates

MSD SPIRE Local Portal

SPIRE Local

NHS SCOTLAND

QV Query Viewer

Exit to Dashboard

GP Revalidation Dashboard

Practice Code: 70943

Practice Name: Northbridge

Beta Blockers in HF

Antibiotic Prescribing Dr Smith

Oral Contraceptives & LARC

Number of Patients

Oral Contraceptive Prescribed: 381

Oral Contraceptive Not Prescribed: 14

Patients On The COPD Register

Practice Name: North Street Surgery

Practice Code: 12345

Patient Breakdown by Age

Forename Surname Date Of Birth Gender

Imogen	Abbott	12/10/1974	F
Francis	Ascher	06/01/1946	M
Murray	Ascher	10/04/1955	M
Stephen	Ascher	16/12/1946	M
Gemma	Ashcroft	24/11/1951	F

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Link to SPIRE Central

Logged in as admin

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SPIRE Local

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Dq Data Quality

Exit to Dashboard

Summary Patient Details Event Issues Unmapped Codes Read Code Exclusions

Data quality or consistency errors

The information below has been extracted from your clinical system with potential inconsistencies or errors. Please review this information and check the relevant patients' notes on your clinical system.

Patients without correct date of birth or CHN number could impact QoF indicators or any related reports.

4254

2709

1020

460

37

28

Event Issues

2601

2601

Unmapped Codes

21

21

2222

Further Information

Website: www.spire.scot.nhs.uk

Email: nss.SPIRE@nhs.net

Twitter: [@SPIREScotland](https://twitter.com/SPIREScotland)

