

*my diabetes * my way*

Population-based diabetes care: a perspective from Scotland

**Dr Scott G Cunningham – Technical Consultant
University of Dundee / NHS Tayside**

Disclosure

- Shareholder of MyWay Digital Health Limited, which works with areas outwith Scotland to extend use of the My Diabetes My Way platform.





- 62% of people in Scotland voted to remain

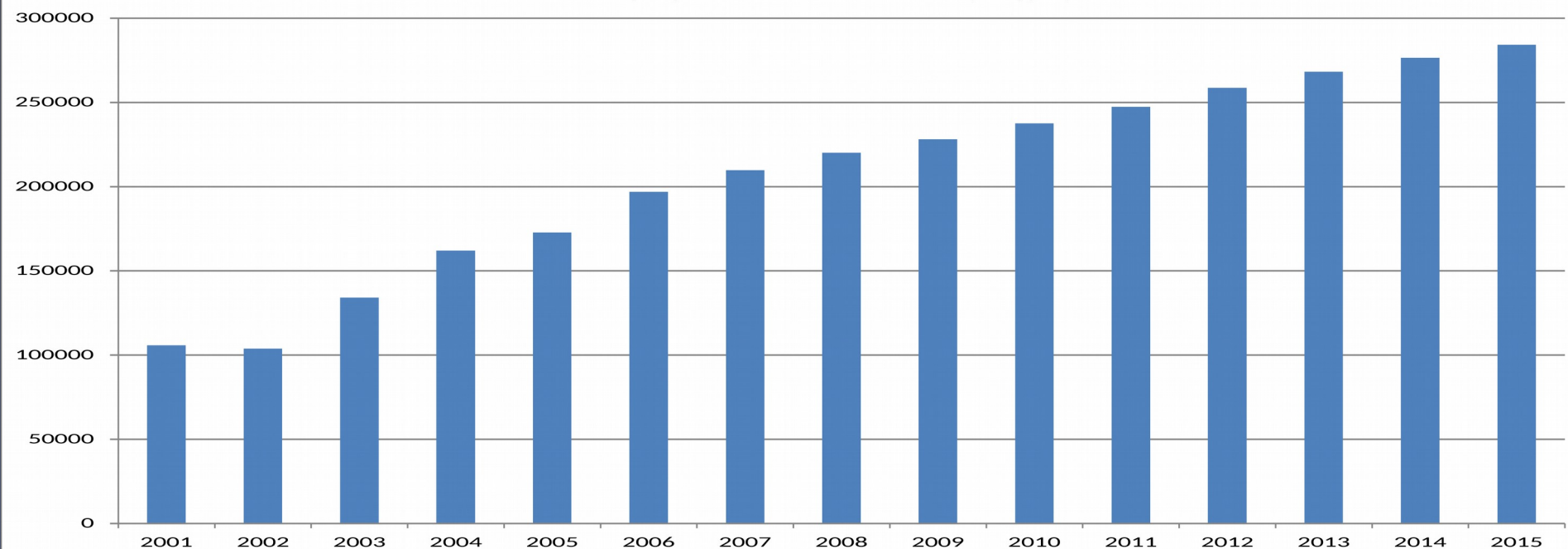
Introduction

- Diabetes in Scotland
- SCI-Diabetes Collaboration
- Local, regional & national audit & reporting
- EUBIROD: international reporting
- Supporting research
- My Diabetes My Way
- Patient records access

Diabetes in Scotland

- Scotland's diabetes prevalence
 - 2002: 103,835 (2%)
 - 2016: 291,981 (5.5%)
 - Type 1: 10%; Type 2: 89%; Other types: 1%
 - 153,028 (15.6%) aged 65 and over

Number of people recorded with diabetes (all types).



BALL, Dennis Patient ID/CHI 0106430079 Born 01-Jun-1943 (73y) Gender Female Address An Address, In A Town... Practice Tayside Practice 3, Tay... Diagnosis Type 2 Diabetes Me... Treatment Insulin + Oral Agent... Allergies recorded

Navigation Population Overview > Type 2 Diabetes - Population Overview > Patient Record > Clinical Summary

- Patient Record
Patient Facilitation
Demographics
Clinical Summary
QOF Summary
Paediatrics
DSN
Specialist Clinic Support
Detailed Clinical Record
Patient Support
Data Quality

Clinical Summary

Diabetic Diagnosis/Status

Diabetes Type: Type 2 Diabetes Mellitus
Date of Diagnosis: 10-Sep-2004
Next Specialist Clinic Review: 02-Sep-2015 Other
Other: discharge to GP

Diabetes Education (Patient Education History) (view and enter detailed education information for this patient)

Latest Participated Education Record:
My Diabetes My Way: Not Registered
Last Accessed:

Diabetic Complications

CHD Not Recorded record no diagnosis
Cerebrovascular Disease Not Recorded record no diagnosis
PVD Not Recorded record no diagnosis
CKD Not Recorded record no diagnosis
Neuropathy Yes
Eye Disease Not Recorded

Diabetes Cross-Disciplinary Index (DXDI)

Overall DXDI score: 28-Jul-2015 23/40

Biochemistry

HbA1c: 04-May-2016 45 mmol/mol
Total Cholesterol: 27-Dec-2012 36 mmol/L
Non-HDL Cholesterol: mmol/L

Renal Care:

Renal Function

Creatinine: 01-Aug-2011 115 umol/L
estimated GFR: 27-Dec-2012 58 ml/min

Urinary Protein Status

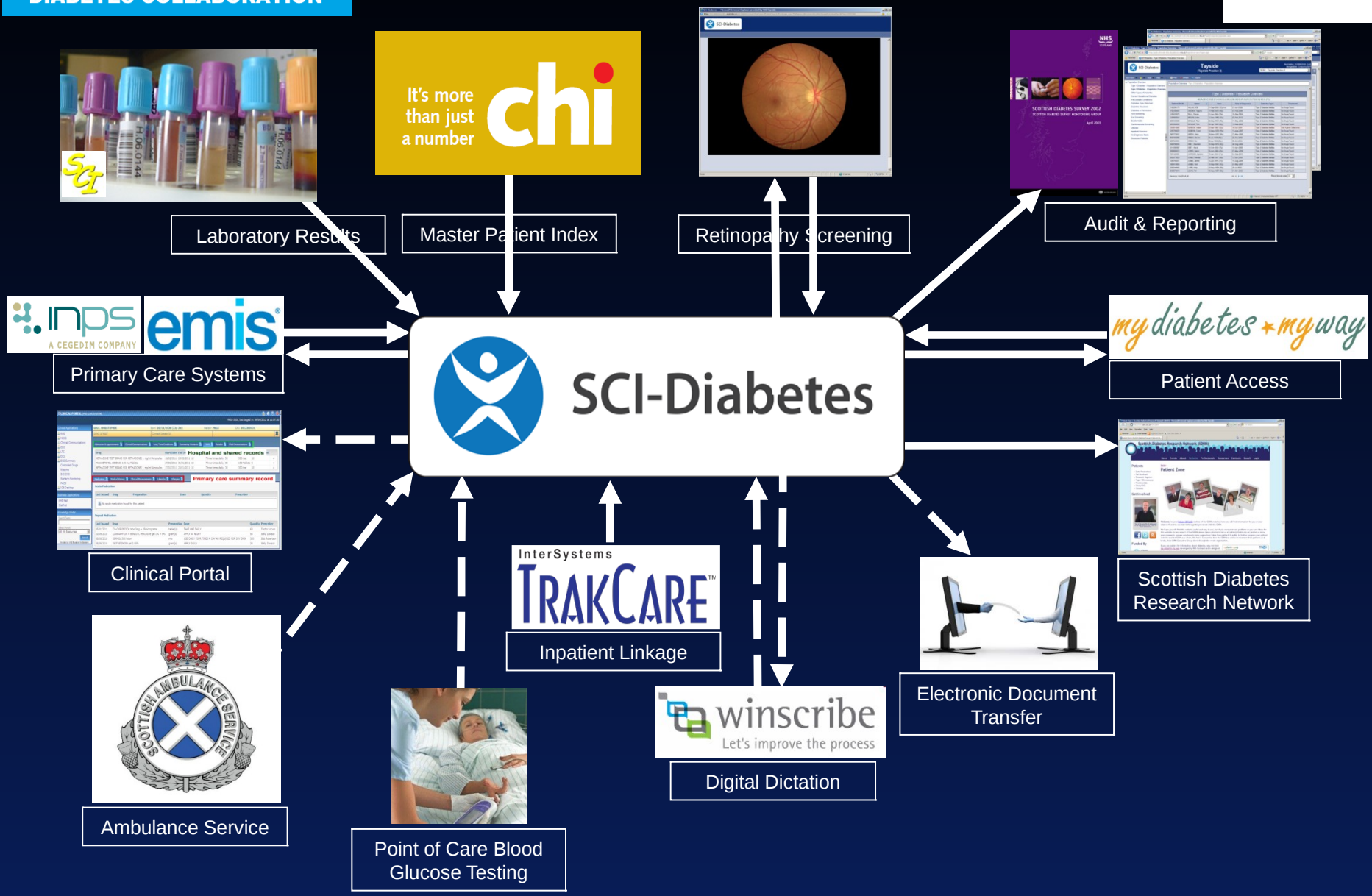
ACR: 09-Apr-2013 1.1 mg/mmol
Microalbumin Concentration: mg/L
PCR: mg/mmol
Urinary Protein Status: Insufficient Data

Cardiovascular:

BP: 06 Jun 2014 120 / 82

SCI Diabetes Collaboration

- SCI-DC Launched in 2002
 - Web-based access to the shared record
 - Data captured from multiple sources
 - Clinically relevant views on data
 - Supporting specialist screening
 - Flexible and predefined audit facilities
 - Supporting single data-entry
- National coverage from 2006





- Population Overview
 - Type 1 Diabetes - Population Overview
 - Type 2 Diabetes - Population Overview**
 - Other Types of Diabetes
 - Current Gestational Diabetes
 - Pre-Diabetic Conditions
 - Diabetes Type Unknown
 - Diabetes Resolved
 - Diabetes in Remission
 - Foot Screening
 - Eye Screening
 - Biochemistry
 - Cardiovascular Screening
 - Lifestyle
 - Inpatient Overview
 - SAS Events Overview
 - No Diagnosis Made
 - Deceased Patients
 - Patient Recall List
 - Patient Education Management

Type 2 Diabetes - Population Overview

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Patient ID/CHI	Name	Born	Date of Diagnosis	Diabetes Type	Treatment
0202930059	ADAM, REBECCA	02-Feb-1993 (23y)	23-Feb-2009	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0507500103	ALLAN, CHRIS	05-Jul-1950 (65y)	10-May-2011	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1810550090	ANDREW, Jean	18-Oct-1955 (60y)	28-Mar-2011	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
2505540028	ANDREW, Robert	25-May-1954 (62y)	28-Oct-2014	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1702340043	ANDREW, Wayne	17-Feb-1934 (82y)	07-Feb-2006	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1806440099	BALL, BOB	18-Jun-1944 (71y)	11-Feb-2007	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1808460073	BALL, CLAIRE	18-Aug-1946 (69y)	08-Jan-2010	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0106430079	BALL, Dennis	01-Jun-1943 (73y)	10-Sep-2004	Type 2 Diabetes Mellitus	Insulin + Oral Agents (Gliptin + SGLT2 Inhibitor) + Other Injectable Agent
1802510034	BALL, Rebecca	18-Feb-1951 (65y)	29-Oct-2010	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
2404405004	BEECH, GINA	24-Apr-1940 (76y)	01-Feb-2012	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0703500029	BLACK, Colin	07-Mar-1950 (66y)	24-Jul-2007	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
2310380133	BROWN, ADAM	23-Oct-1938 (77y)	22-Mar-2005	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1105600043	BROWN, Alice	11-May-1960 (56y)	06-Apr-2015	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0609420077	BROWN, PHIL	06-Sep-1942 (73y)	04-Jan-2008	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
2309810200	BROWN, RORY	23-Sep-1981 (34y)	02-May-2008	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
2502500163	CAMPBELL, BRIAN	13-Jul-1995 (20y)	14-Sep-2002	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
1510870160	CAMPBELL, KEITH	15-Oct-1987 (28y)	11-Aug-2002	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0709560246	COLLINS, KEITH	07-Sep-1956 (59y)	10-Jan-2005	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0605870075	COLLINS, Peter	06-May-1987 (29y)	28-Apr-2004	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found
0404400046	CROSS, ALASTAIR	04-Apr-1940 (76y)	09-Mar-2008	Type 2 Diabetes Mellitus	No Glycaemic Drugs Found

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BALL, Dennis Patient ID/CHI 0106430079 Born 01-Jun-1943 (73y) Gender Female Address An Address, In A Town... Practice Tayside Practice 3, Tay... Diagnosis Type 2 Diabetes Me... Treatment Insulin + Oral Agent... Allergies recorded

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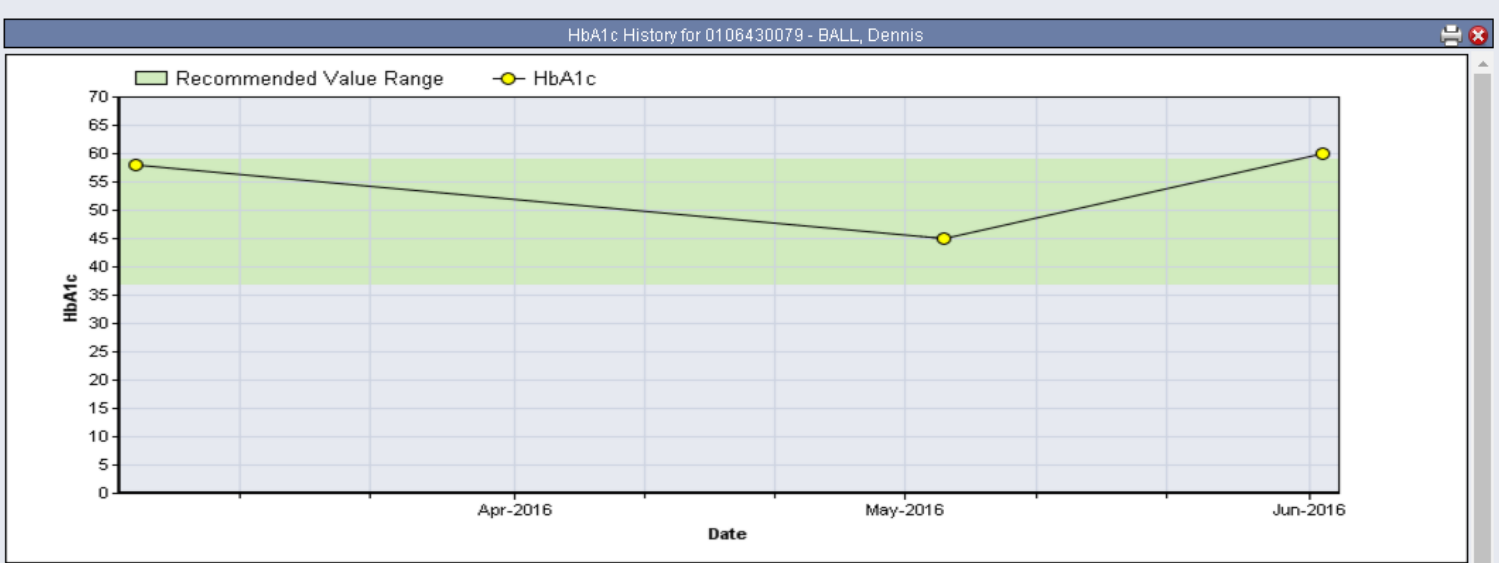
BP: 06 Jun 2014 120 / 82



BALL, Dennis Patient ID/CHI **0106430079** Born **01-Jun-1943 (73y)** Gender **Female**
Address **An Address, In A Town...** Practice **Tayside Practice 3, Tay...** Diagnosis **Type 2 Diabetes Me...** Treatment **Insulin + Oral Agent...** Allergies recorded

Navigation < Population Overview > Type 2 Diabetes - Population Overview > Patient Record > **Clinical Summary**

- ⊖ Patient Record
- ⊕ Patient Facilitation
- ⊕ Demographics
- Clinical Summary**
- QOF Summary
- ⊕ Paediatrics
- ⊕ DSN
- ⊕ Specialist Clinic St...
- ⊕ Detailed Clinical
- ⊕ Patient Support
- ⊕ Data Quality



2 Years 5 Years All

Green highlight = value on summary page

Show all data

Show excluded data

Select all to [dropdown]

Date	HbA1c (mmol/mol)	Source	Current Action
02-Jun-2016	60	SCI-Diabetes Clinical Summary - Tayside Practice 3 (Tayside)	<input checked="" type="checkbox"/>
04-May-2016	45	SCI-Diabetes Clinical Summary - DSN Clinic Dundee (Tayside)	<input checked="" type="checkbox"/>
03-Mar-2016	58	SCI-Diabetes Clinical Summary - Tayside Practice 3 (Tayside)	<input checked="" type="checkbox"/>
27-Dec-2012	55	SCI-Diabetes Clinical Summary - Ninewells Diabetes Clinic (Tayside)	<input checked="" type="checkbox"/>

Records 1 to 4 of 4



Records per page 20

Cardiovascular:

BP: 05 Jun 2014 120 / 82



BALL, Dennis Patient ID/CHI **0106430079** Born **01-Jun-1943 (73y)** Gender **Female** Allergies recorded
Address **An Address, In A Town...** Practice **Tayside Practice 3, Tay...** Diagnosis **Type 2 Diabetes Me...** Treatment **Insulin + Oral Agent...**

Navigation Population Overview > Type 2 Diabetes - Population Overview > Patient Record > Detailed Clinical Record > Treatment/Medication > **Primary Care Prescribing Record**

- Patient Record
- Patient Facilitation
- Demographics
 - Clinical Summary
 - QOF Summary
- Paediatrics
- DSN
- Specialist Clinic Support
- Detailed Clinical Record
- Treatment/Medication
 - Treatment Type
 - Primary Care Prescribing Record**
 - Prescribing Timeline Function
 - Drug Reactions/Allergies
 - Specialist Prescribing Advice
 - Clinical Trial Status
 - Insulin Pump Monitoring
 - Insulin Monitoring
 - Medical History
- Diagnostic Admin Form History
- Patient Contacts
 - Laboratory Results
 - Lifestyle
 - Glycaemic Control
 - Cardiovascular System
- Foot Care
- Dietetics
- Renal Care
- Eye Care
 - Neuropathy
 - Sexual Health and Pregnancy Summary
 - Acute Complications
 - Inpatient Episodes
 - SAS Events
- Diagnostic Information
- Patient Support
- Data Quality

Primary Care Prescribing Record

View: Detailed List High-level summary by BNF category

Please use the filter options to show more prescriptions, you may change the way the list is sorted at any time by clicking on the appropriate column title.

Filter options:

Show prescriptions that are:

Drug Name contains:

BNF code is:

Type of Medication:

Script Type is: All Repeat Acute

Search

Search Results:

Date	Repeat Scrip Date Range		Scrip Type	Drug Name	BNF	Dose/Frequency	Quantity/Preparation	Source of Prescription
	From	To						
05-Jan-2016	05-Jan-2016	05-Jan-2016	Repeat (1)	Saxagliptin	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
04-Jan-2016	04-Jan-2016	04-Jan-2016	Repeat (1)	Short-acting insulin	06.01.01.01	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
03-Jan-2016	03-Jan-2016	03-Jan-2016	Repeat (1)	Lixisenatide	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
02-Jan-2016	02-Jan-2016	02-Jan-2016	Repeat (1)	Dapagliflozin	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
01-Jan-2016	01-Jan-2016	01-Jan-2016	Repeat (1)	Jentadueto	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
04-Dec-2015	04-Dec-2015	04-Dec-2015	Repeat (1)	Short-acting insulin	06.01.01.01	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
03-Dec-2015	03-Dec-2015	03-Dec-2015	Repeat (1)	Lixisenatide	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
02-Dec-2015	02-Dec-2015	02-Dec-2015	Repeat (1)	Dapagliflozin	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
01-Dec-2015	01-Dec-2015	01-Dec-2015	Repeat (1)	Jentadueto	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
04-Nov-2015	04-Nov-2015	04-Nov-2015	Repeat (1)	Short-acting insulin	06.01.01.01	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
03-Nov-2015	03-Nov-2015	03-Nov-2015	Repeat (1)	Lixisenatide	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
02-Nov-2015	02-Nov-2015	02-Nov-2015	Repeat (1)	Dapagliflozin	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision
01-Nov-2015	01-Nov-2015	01-Nov-2015	Repeat (1)	Jentadueto	06.01.02.03	100mcg Daily	100 Tablets	Tayside Practice 3 - Vision

Records 1 to 13 of 13



Records per page

BALL, Dennis Patient ID/CHI **0106430079** Born **01-Jun-1943 (73y)** Gender **Female**
 Address **An Address, In A Town...** Practice **Tayside Practice 3, Tay...** Diagnosis **Type 2 Diabetes Me...** Treatment **Insulin + Oral Agent...** Allergies recorded

Navigation < Population Overview > Type 2 Diabetes - Population Overview > Patient Record > Detailed Clinical Record > Foot Care > Foot Screening History > **Foot Screening Tool (Risk Stratification)** Refresh

- ⚠ Patient Record
- + Patient Facilitation
- + Demographics
 - Clinical Summary
 - QOF Summary
- + Paediatrics
- + DSN
- + Specialist Clinic Support
- ⚠ Detailed Clinical Record
 - + Treatment/Medication
 - Medical History
 - + Diagnostic Admin Form History
 - + Patient Contacts
 - Laboratory Results
 - Lifestyle
 - Glycaemic Control
 - Cardiovascular System
- ⚠ Foot Care
 - ⚠ Foot Summary
 - ⚠ Foot Screening History
 - Foot Screening Tool (Risk Stratification)**
 - + Ulcer Management
 - Ulcer Management (new)
 - Foot Protection Treatment
 - Foot Images
- + Dietetics
 - ⚠ Renal Care
 - + Eye Care
 - Neuropathy
 - Sexual Health and Pregnancy Summary
 - Acute Complications
 - Inpatient Episodes
 - SAS Events
- + Diagnostic Information
- + Patient Support
- + Data Quality

Foot Screening Tool (Risk Stratification) Help

Screening Event

Screening Date: Attendance:

Previous Screening: 23-Apr-2014 **Attended** by: FLACHI, Charles on behalf of:

Amputation

Risk Factors

Significant Structural Abnormality of Foot: Present - Side Unspecified Absent

Significant Callus: Present - Side Unspecified Absent

Active Ulcer: Yes - Side Unspecified No

Charcot Foot: Active - Side Unspecified Previous - Side Unspecified None

Previous Ulceration: Yes - Side Unspecified No

Able to or Has Help to Self Care: Yes No

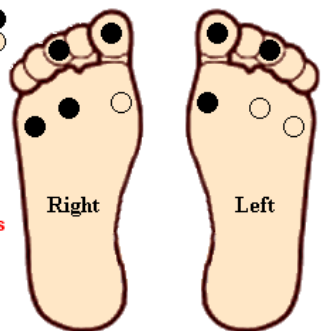
Other Risk (Specify): Yes

Vascular Screening

	Right	Left
Peripheral Pulses (Posterior Tibial or Dorsalis Pedis):	<input type="radio"/> Either Palpable <input checked="" type="radio"/> Both Absent	<input checked="" type="radio"/> Either Palpable <input type="radio"/> Both Absent
Intermittent Claudication:	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
Previous Vascular Intervention:	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No

Neurological Screening

10 Gram Monofilament Sites
 Present = ● Absent = ○



Loss of Protective Sensation = **Yes**
 Feeling in Less Than: 8 Sites?

Neurothesiometer Assesment: mV

Risk Category

Current Risk Category: **Active Foot Ulcer**

Predicted Risk Category: **High Risk**

Recommended Action:

- Annual screening/assessment by a specialist podiatrist.
- Agreed and tailored management/treatment plan by specialist podiatrist according to patient needs.
- Provide written and verbal education with emergency contact numbers.
- Referral for specialist intervention required if/when required.

BALL, Dennis Patient ID/CHI 0
Address **An Address, In A Town...** Practice Ta

Navigation < Population Overview > Type 2 Diabetes - Population Overview

- [-] Patient Record
- [-] Patient Facilitation
- [-] Demographics
 - Clinical Summary
 - QOF Summary
- [-] Paediatrics
- [-] DSN
- [-] Specialist Clinic Support
- [-] Detailed Clinical Record
 - Treatment/Medication
 - Medical History
 - Diagnostic Admin Form History
 - Patient Contacts
 - Laboratory Results
 - Lifestyle
 - Glycaemic Control
 - Cardiovascular System
- [-] Foot Care
- [-] Dietetics
- [-] Renal Care
- [-] Eye Care
 - Eye Summary**
 - Eye Images - DRS
 - DRS Register
 - Laser Eye Therapy
 - Neuropathy
 - Sexual Health and Pregnancy Summary
 - Acute Complications
 - Inpatient Episodes
 - SAS Events
- [-] Diagnostic Information
- [-] Patient Support
- [-] Data Quality

DRS Data

DRS Status - Reason:
Last Screening Status:

DRS Last Screening Results

Screening Date:
Screening Mode:

DRS Results

- Visual Acuity: [icon]
- Retinopathy: [icon]
- Maculopathy: [icon]
- Laser Photocoagulation Scars: [icon]
- Non Diabetic Retinal Lesions: [icon]

[Click here](#) to view a list of eye images

Non-DRS Data

Eye Procedures

- Laser Eye Therapy: [icon]
- Cataract Extraction: [icon]
- Vitrectomy: [icon]
- Anti-VEGF treatment

Click on an entry below to add or change

[Add a new entry](#)
No Specific Visual Problem information

Registered Blind:
Blindness Status:



BALL, Dennis Patient ID/CHI 0106430079 Born 01-Jun-1943 (73y) Gender Female Address An Address, In A Town... Practice Tayside Practice 3, Tay... Diagnosis Type 2 Diabetes Me... Treatment Insulin + Oral Agent... Allergies recorded

Navigation Population Overview > Type 2 Diabetes - Population Overview > Patient Record > Detailed Clinical Record > Laboratory Results

- Patient Record
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Laboratory Results

Link lab results to contact

Blood Glucose Control

Table with 2 columns: Test Name, Value. HbA1c: 02-Jun-2016, 40 mmol/mol. Blood Glucose: 21-Jun-2015, 23 mmol/L.

Lipid Control

Table with 2 columns: Test Name, Value. Total Cholesterol: 27-Dec-2012, 36 mmol/L. HDL Cholesterol, Non-HDL Cholesterol, LDL Cholesterol, Triglycerides.

Renal Function

Table with 2 columns: Test Name, Value. Creatinine: 01-Aug-2011, 115 umol/L. estimated GFR: 27-Dec-2012, 58 ml/min. Urinary Protein (dipstick): 19-Jun-2015, Negative. ACR: 09-Apr-2013, 1.1 mg/mmol.

Endocrine Function

Table with 2 columns: Test Name, Value. TSH, T4/Free T4, T3, HLA Typing, Tissue Transglutaminase.

Liver Function

Table with 2 columns: Test Name, Value. Alkaline Phosphatase, Albumin, ALT, Gamma GT, AST, Bilirubin.

Full Blood Count

- Regional Comparison
- Population Summary
- Eye Screening Summary
- Glycaemic Control Summary**
- Blood Pressure Summary
- Body Mass Index & Smoking Summary
- Macrovascular Outcomes Summary
- Foot Screening Summary

Regional Comparison - Glycaemic Control Summary

Click on a row to view the list of patients. The list will appear below.		Tayside Practice 3 as at 2-Jun-2016 10:09:19		Tayside as at 11-Apr-2012 11:49:08	
		Number	Percentage	Number	Percentage
Number of people with diabetes		158		504	
HbA1c	An HbA1c record in the last 15 months	27	17.1 %	56	11.1 %
	No HbA1c in the last 15 months	131	82.9 %	448	88.9 %
Patients with any HbA1c record		73	46.2 %	75	14.9 %
Patients with no HbA1c record		85	53.8 %	429	85.1 %
Based on the last result where record found	HbA1c < 53 mmol/mol (7.0 %)	35	22.2 %	49	9.7 %
	HbA1c 53 - 75 mmol/mol (7.0 - 9.0 %)	15	9.5 %	9	1.8 %
	HbA1c > 75 mmol/mol (9.0 %)	23	14.6 %	17	3.4 %
	Average last recorded HbA1c (mmol/mol)	60.33 mmol/mol		50.31 mmol/mol	

HbA1c > 75 mmol/mol (9.0 %)

Patient ID/CHI	Name	Born	Type of Diabetes	HbA1c (mmol/mol)
1702340043	ANDREW, Wayne	17-Feb-1934 (82y)	Type 2 Diabetes Mellitus	200 (25-Apr-2012)
1207660088	BALL, John	12-Jul-1966 (49y)	Maturity Onset Diabetes of Youth	77 (11-Mar-2014)
2302850081	BLACK, Kelly	23-Feb-1985 (31y)	Maternally Inherited Diabetes and Deafness	94 (13-Mar-2013)
0201900071	BROWN, John	02-Jan-1990 (26y)	Secondary - Disease	100 (08-May-2015)
1208660019	COLLINS, Phil	12-Aug-1966 (49y)	Type 1 Diabetes Mellitus	82 (02-Jul-2012)
1510540062	CROSS, Jennifer	15-Oct-1954 (61y)	Type 1 Diabetes Mellitus	76 (29-Apr-2016)
1509710015	DOUGLAS, William	15-Sep-1971 (44y)	Type 2 Diabetes Mellitus	98 (26-May-2011)
1205780025	GORDON, Carol	12-May-1978 (38y)	Type 2 Diabetes Mellitus	90 (01-Feb-2013)
2509840012	GORDON, Norma	25-Sep-1984 (31y)	Maturity Onset Diabetes of Youth	82 (02-Jul-2012)
0904430087	GRAY, Alan	09-Apr-1943 (73y)	Type 1 Diabetes Mellitus	110 (04-May-2016)
2202530094	GREEN, Graeme	22-Feb-1953 (63y)	Type 1 Diabetes Mellitus	85 (01-Jul-2011)
1210360097	GREY, Mavis	12-Oct-1938 (77y)	Type 2 Diabetes Mellitus	78 (17-Jan-2014)
1808550018	JACKSON, James	18-Aug-1955 (60y)	Secondary - Disease <i>(Cystic Fibrosis Related Diabetes)</i>	98 (02-Feb-2010)
1209650029	NELSON, Kevin	12-Sep-1965 (50y)	Type 2 Diabetes Mellitus	90 (29-Mar-2013)
1908400003	REID, Rachel	19-Aug-1940 (75y)	Type 1 Diabetes Mellitus	78 (24-Mar-2011)
1706800004	RICHARDSON, Paul	17-Jun-1980 (35y)	Type 2 Diabetes Mellitus	120 (16-Sep-2015)
2405350070	SIMON, Sarah	24-May-1935 (81y)	Latent Autoimmune Diabetes of Adulthood	89 (11-Jan-2011)

- Patient Audit
 - General Audit
 - Audit Patient Contacts
 - Recently Diagnosed Patients
 - Patients With Deteriorating Recordings
 - View My Contacts
- Flexible Queries

Flexible Query Builder

Query:

Query Name: HbA1c Query

Rule builder: Add a new entry

Category: Glycaemic Control

Data Item: HbA1c

Type: Number

Rule Only:

Rule:

- Is in the range 58 To 100 Recorded within In the Last 18 Months
- No record within In the Last 6 Months
- Select all

Save Cancel

Rules:

Click on Add a
Click on Group b

Category	Data Item	Type	Rule	Group by and Sort		
Demographics	Patient ID/CHI	Select All	Select all		Edit	Delete
Demographics	Patient Name	Select All	Select all		Edit	Delete

Records 1 to 2 of 2

Navigation icons

Records per page 20



- Patient Audit
 - General Audit
 - Audit Patient Contacts
 - Recently Diagnosed Patients
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- Flexible Queries

Flexible Queries Help

Query:

Click on an entry below to view the most recent audit query results.
Click on one of the actions to submit, edit, copy or delete a query.

[Add a new query](#)

[Shared Queries](#)

Status	Last Executed	Result Expiry Date	Query Name	Population Domain	Actions				
Results Available (19)	02-Jun-2016 09:54	05-Jun-2016	Foot Query	Tayside	Submit	Edit	Copy	Delete	Share
Results Available (19)	02-Jun-2016 09:56	05-Jun-2016	HbA1c Query	Tayside	Submit	Edit	Copy	Delete	Share

Records 1 to 2 of 2

Query Results:

Query: **HbA1c Query** Results from: **02-Jun-2016 09:56**

Patient ID/CHI	Patient Name	HbA1c Date	HbA1c
0201900071	BROWN, John	08-May-2015	100
0506620010	MARROW, COLIN	29-Apr-2015	74
0905840098	GREY, Paul	21-Jul-2015	88
1104790003	SMITH, Clare	04-May-2016	64
1110360033	MCKENZIE, Michael	29-Jun-2015	72
1202610006	FISHER, MATT	11-Apr-2015	65
1310570059	JACKSON, Alice	20-Jul-2015	75
1508418586	WILKIN-SMITH, Donald	15-Mar-2016	89
1510540062	CROSS, Jennifer	29-Apr-2016	76
1510590055	THOMPSON, Tom	26-Jun-2015	62
1606440025	GREY, Bob	04-May-2016	75
1705643627	THOMAS, Mike	15-Mar-2016	88
1806440099	BALL, BOB	30-May-2016	88
1901640033	WHYTE, GRAEME	26-May-2016	58
2002570029	JONES, Brenda	24-Jun-2015	65
2211770018	GRAY, Sarah	04-Feb-2015	89
2502500163	CAMPBELL, BRIAN	29-Apr-2015	63
2604836319	BAXTER, Lola	16-Mar-2016	65
405842473	HARTLEY, Tim	15-Mar-2016	65

Records 1 to 19 of 19



Records per page

Inpatient Management

- ~20% of people admitted to hospital as inpatients have diabetes
- More effective training for ward staff prioritised by Think, Check, Act which aims to:
 - Reduce rate of hypoglycaemic events
 - Increase appropriate management of hypo events
 - Reduce length of stay
 - <http://ihub.scot/a-z-programmes/diabetes-think-check-act/>
- Aim to support provide custom functionality for patient management and reporting

Filter options:

Length of stay <= days

Hospital is

Ward is

Inpatient status is

It has been less than 24 hours since last ADT message received.

Last ADT message received: 13-Mar-2017, 14:09

- Show
- Only inpatients with confirmed diabetes
 - All inpatients on the SCI-Diabetes register



- Show selected patients only
- Show patients with low blood glucose
- Manual discharge mode
- Check to create a temporary sub-list of patients - use checkboxes below to select patients first
- Check to show patients with a Ward BG result < 4.0 in the most recent 4 recordings
- Check and you can manually discharge patients



[Generate SBAR](#)

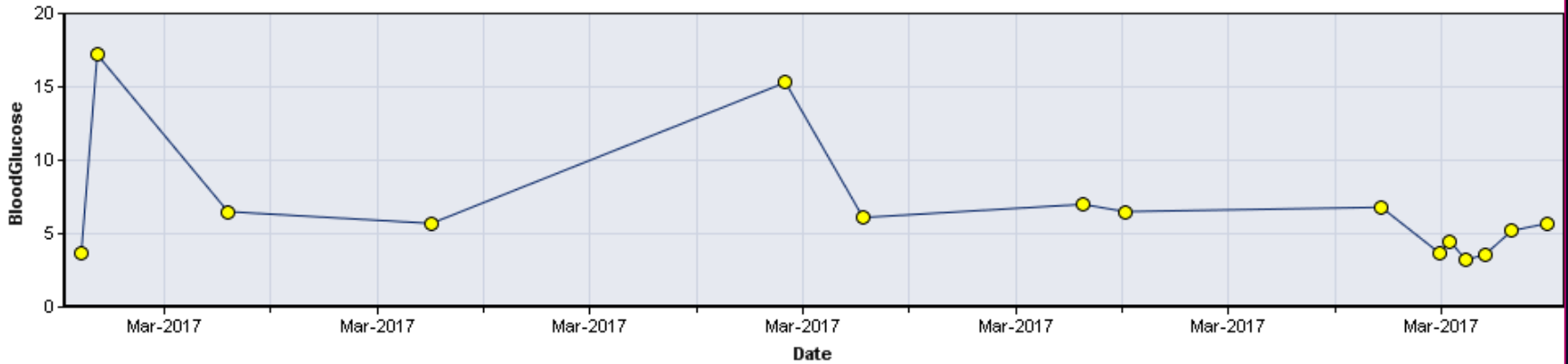
Click on the icon to view the admission and transfer history of a patient's inpatient episode

Patient ID/CHI	Name	Age	Diabetes Type (duration)	Admission Date	Hospital	Ward (Since)	Length of Stay	HbA1c (mmol/mol)	eGFR (ml/min)	Creatinine (umol/L)	Foot Risk	Eye Screening	Ward BG (mmol/L)	
		63y	Type 2 Diabetes Mellitus (17y 5m)	10-Mar-2017 15:24	Ninewells Hospital, Dundee	NWCIU (11-Mar-2017 02:58)	3.0d	74 (06-Mar-2017)	31 (06-Mar-2017)	190 (06-Mar-2017)	Moderate Risk (22-Mar-2016)	14-Aug-2014	(13-Mar-2017) 9.1 - 12:45 7.1 - 06:53 (12-Mar-2017) 8.3 - 23:28 3.5 - 22:36	<input type="checkbox"/>
		48y	Secondary - Pancreatic Pathology (6y 6m)	10-Mar-2017 12:25	Ninewells Hospital, Dundee	NW04 (11-Mar-2017 11:28)	3.1d	149 (17-Aug-2016)	>60 (28-Dec-2016)	40 (28-Dec-2016)	Low Risk (04-Mar-2014)	18-Oct-2016	(13-Mar-2017) 3.6 - 11:31 6 - 06:20 (12-Mar-2017) 8 - 21:41 7.7 - 16:57	<input type="checkbox"/>
		65y	Type 2 Diabetes Mellitus (7y 10m)	06-Mar-2017 16:30	Perth Royal Infirmary	PRI 4 (08-Mar-2017 07:31)	6.9d	39 (15-Dec-2015)	>60 (09-Mar-2017)	48 (09-Mar-2017)	Low Risk (31-Mar-2016)	24-Nov-2016	(13-Mar-2017) 3.9 - 01:48 (12-Mar-2017) 4.3 - 07:58 (11-Mar-2017) 7.9 - 21:27 4.6 - 07:31	<input type="checkbox"/>
		73y	Type 2 Diabetes Mellitus (29y 9m)	06-Mar-2017 14:10	Perth Royal Infirmary	PRI 4 (07-Mar-2017 02:16)	7.0d	61 (02-Mar-2016)	>60 (09-Mar-2017)	32 (09-Mar-2017)	High Risk (09-Apr-2009)	02-May-2013	(13-Mar-2017) 5.7 - 11:53 5.2 - 07:54 3.6 - 01:55 3.2 - 02:43	<input type="checkbox"/>

Lab Results

HbA1c: 02-Mar-2016 61 mmol/mol 
 estimated 09-Mar-2017 >60 ml/min 
 GFR:

Ward Blood Glucose: 13-Mar-2017 11:53 (NW - PLAB) 5.7 mmol/L 
[Generate SBAR](#) 



2 Years 5 Years All

Show excluded data

Date	Time	Ward Blood Glucose(mmol/L)	Location	Operator	Source	Exclude
13-Mar-2017	11:53	5.7	NW - PLAB	561091^Smith^Susan	COBAS - Tayside COBAS	✗
13-Mar-2017	07:54	5.2	NW - P6	561091^Smith^Susan	COBAS - Tayside COBAS	✗
13-Mar-2017	04:55	3.6	NW - P6	S800154^wilson^cameron	COBAS - Tayside COBAS	✗
13-Mar-2017	02:43	3.2	NW - P6	S800154^wilson^cameron	COBAS - Tayside COBAS	✗
13-Mar-2017	00:54	4.5	NW - P6	S800154^wilson^cameron	COBAS - Tayside COBAS	✗
12-Mar-2017	23:42	3.7	NW - P6	S800154^wilson^cameron	COBAS - Tayside COBAS	✗
12-Mar-2017	17:11	6.8	NW - P6	563027^middlemass^ashleigh	COBAS - Tayside COBAS	✗
11-Mar-2017	12:20	6.5	NW - P6	562707^thomson^jacqueline	COBAS - Tayside COBAS	✗
11-Mar-2017	07:33	7.0	NW - P6	400364^burns^jeborah	COBAS - Tayside COBAS	✗
10-Mar-2017	06:46	6.1	NW - P6	401794^MCCAFFERTY^RUTH	COBAS - Tayside COBAS	✗
09-Mar-2017	22:01	15.3	NW - P6	401794^MCCAFFERTY^RUTH	COBAS - Tayside COBAS	✗
08-Mar-2017	06:07	5.7	NW - P6	400364^burns^jeborah	COBAS - Tayside COBAS	✗
07-Mar-2017	07:11	6.5	NW - P6	S800154^wilson^cameron	COBAS - Tayside COBAS	✗
06-Mar-2017	16:27	17.2	NW - P4	401842^MCREYNOLDS^KAREN	COBAS - Tayside COBAS	✗
06-Mar-2017	14:39	3.7	NW - P4	562572^mcclure^christy	COBAS - Tayside COBAS	✗

Inpatient Blood Glucose Audit

Tayside:



View: Weekly Monthly Quarterly

Click on a row to view the Hospital level information.

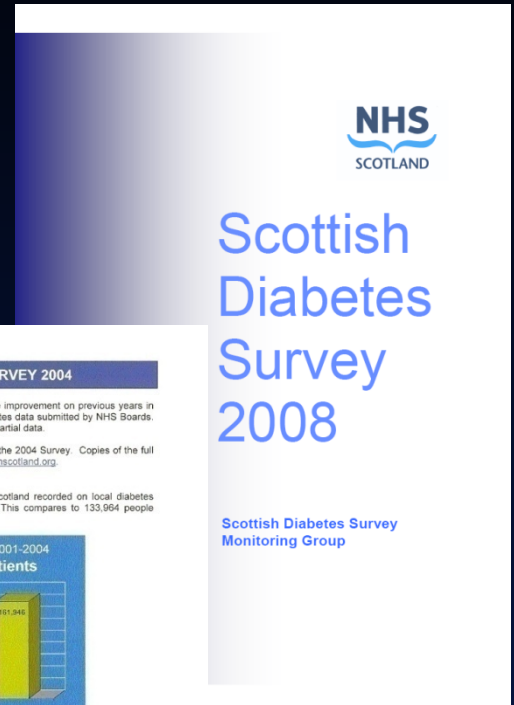
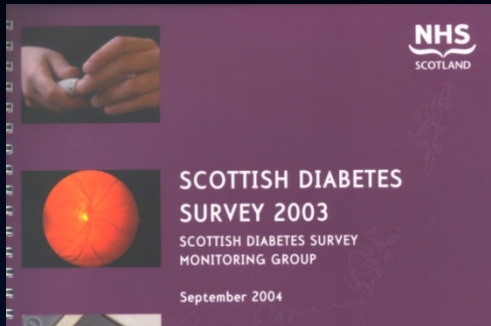
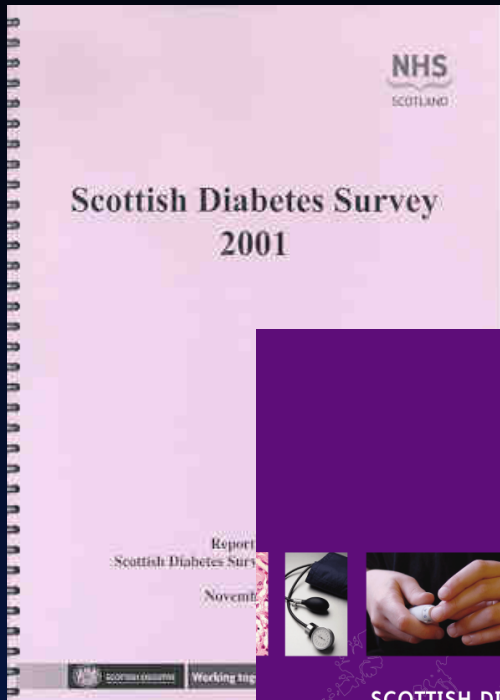
Hospital	Nov-2016				Dec-2016				Jan-2017				Feb-2017				Compliance
	Total	Low BG	Yes	%	Total	Low BG	Yes	%	Total	Low BG	Yes	%	Total	Low BG	Yes	%	
Arbroath Infirmary	358	0	0	0	427	3	0	0	418	7	2	29	384	4	2	50	Low
Armitstead Child Development Centre	10	1	1	100	11	0	0	0	1	0	0	0	18	0	0	0	N/A
Blairgowrie Community Hospital	112	2	0	0	23	1	0	0	60	4	1	25	66	6	2	33	Low
Brechin Infirmary	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	N/A
Carseview Centre	137	18	2	11	138	23	6	26	99	1	0	0	7	0	0	0	N/A
Crieff Community Hospital	91	0	0	0	149	7	1	14	190	4	1	25	94	2	1	50	Low
Kingsway Care Centre	88	0	0	0	192	4	1	25	227	9	4	44	172	5	2	40	Low
Montrose Royal Infirmary	2	0	0	0	35	0	0	0	29	0	0	0	21	0	0	0	N/A
Murray Royal Hospital	468	22	11	50	516	26	11	42	534	22	6	27	368	27	3	11	Low
Ninewells Hospital	10775	287	130	45	10670	354	180	51	10573	268	98	37	9764	236	94	40	Low
Perth Royal Infirmary	2376	33	7	21	2569	62	14	23	2977	77	22	29	2604	48	14	29	Low
Pitlochry Community Hospital	42	0	0	0	18	2	0	0	51	0	0	0	50	1	1	100	High
Royal Victoria Hospital	707	20	3	15	477	12	4	33	647	32	10	31	530	18	5	28	Low
St. Margaret's Hospital	109	1	1	100	27	0	0	0	18	0	0	0	2	0	0	0	N/A
Stracathro Hospital	364	7	1	14	454	21	8	38	844	23	11	48	462	8	6	75	Medium
Whitehills Hospital	212	5	3	60	286	16	5	31	298	16	7	44	97	10	3	30	Low

Records 1 to 16 of 16



Records per page

Scottish Diabetes Survey



SCOTTISH DIABETES SURVEY 2004

The 2004 Scottish Diabetes Survey shows a considerable improvement on previous years in terms of data quality and completeness. The survey collates data submitted by NHS Boards. In 2004 14 of the 15 Boards were able to provide at least partial data.

This short report summarises some of the key findings of the 2004 Survey. Copies of the full report are available to download from <http://www.diabetesinscotland.org>.

- There are 161,946 people with known diabetes in Scotland recorded on local diabetes registers. This represents 3.2% of the population. This compares to 133,964 people (2.0%) included in the 2003 Diabetes Survey.

Scottish Diabetes Survey 2001-2004 Total number of patients

Year	Number of patients
2001	105,777
2002	123,325
2003	133,964
2004	161,946

- Registered prevalence ranged from 2.1% to 3.9% over NHS Board areas. This variation is largely explained by the completeness of local registers and progress in implementing the national diabetes clinical management system (SCI+DC).

Scottish Diabetes Survey 2004 Number of patients in each NHS Board

NHS Board	Number of patients (2004)
1	10,000
2	10,000
3	10,000
4	10,000
5	10,000
6	10,000
7	10,000
8	10,000
9	10,000
10	10,000
11	10,000
12	10,000
13	10,000
14	10,000
15	10,000

Figure 6. Type 2 diabetes: age distribution of people recorded compared with age distribution of general population, Scotland, 2014.

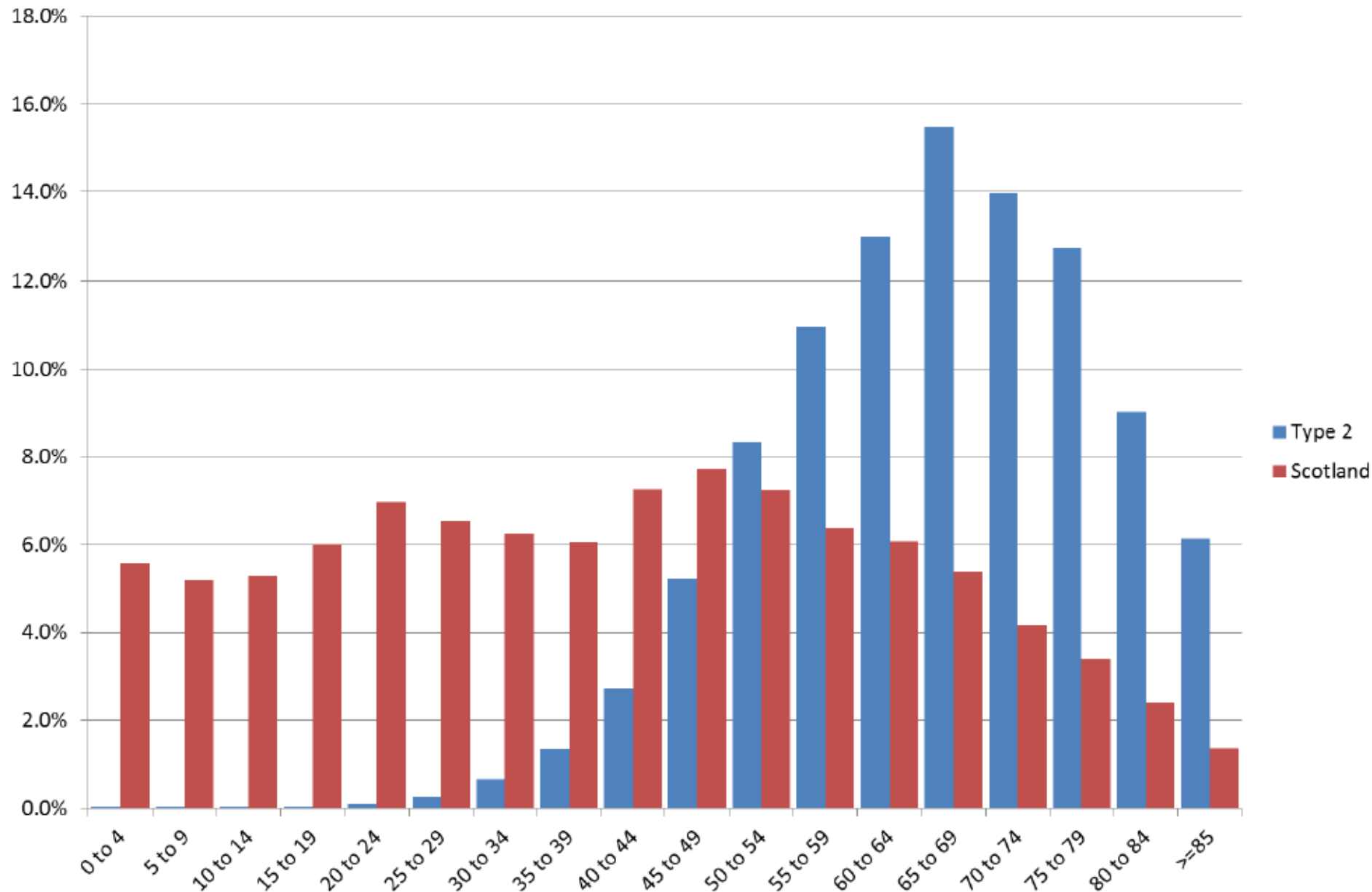


Figure 9. Proportion of people who had a record of BMI from 2013 to 2014: Arrows showing the direction of change have been added for all boards with more than 1.5% change between 2013 and 2014.

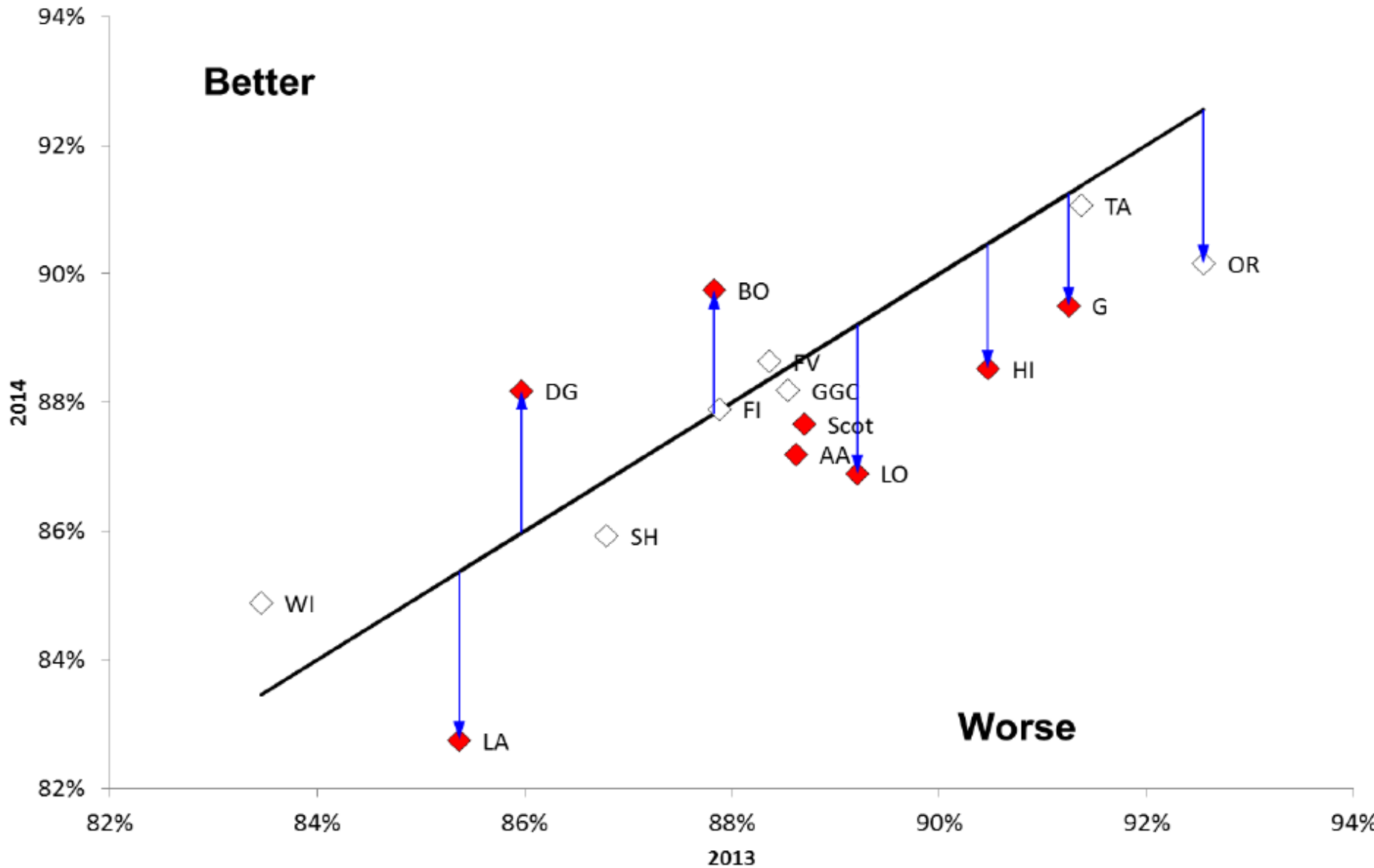
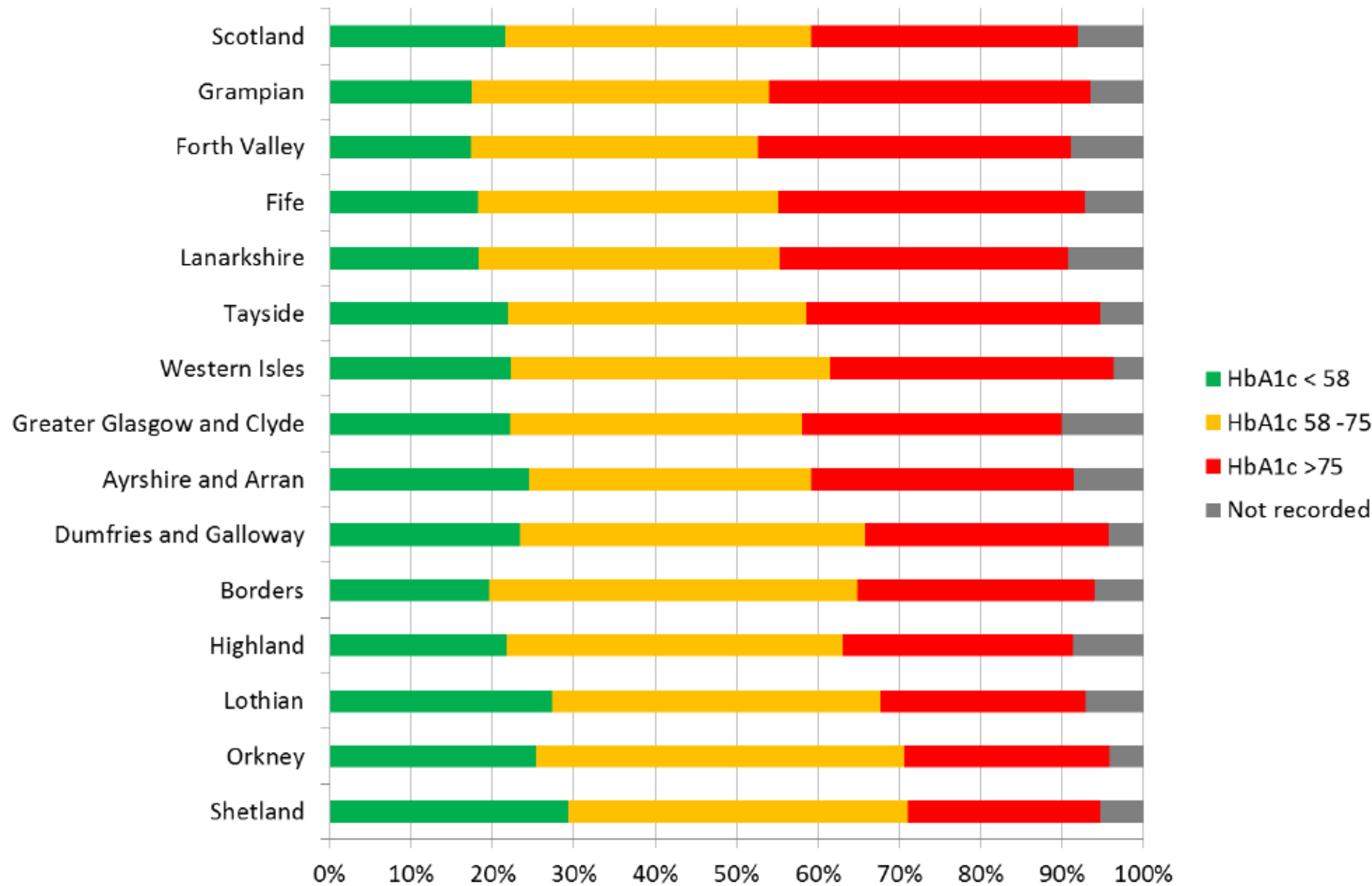


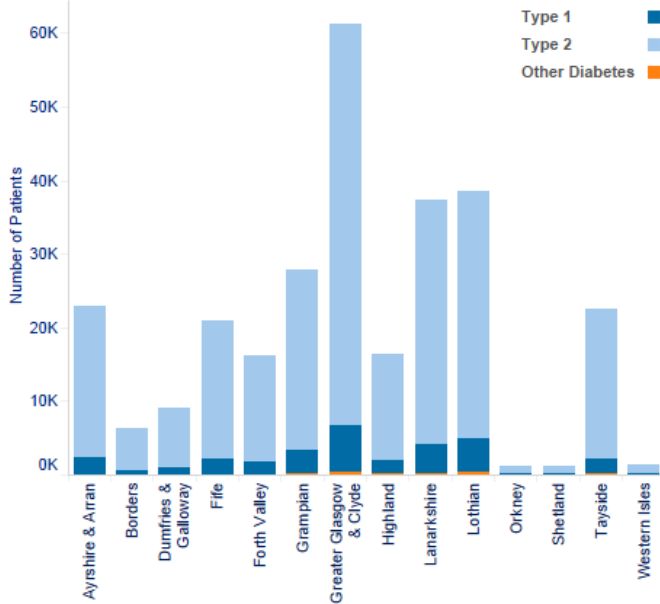
Figure 14. Type 1 diabetes: percentage of people in each HbA_{1c} category for HbA_{1c} recorded in the previous 15 months, by NHS Board, ranked by proportion with HbA_{1c} over 75 mmol/mol (9%).



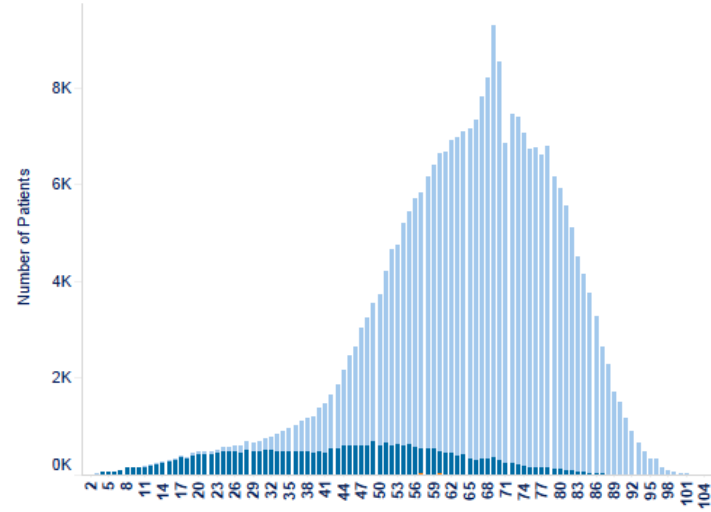


By Health Board

(click on a value in the legend to filter by diabetes type)



By Age

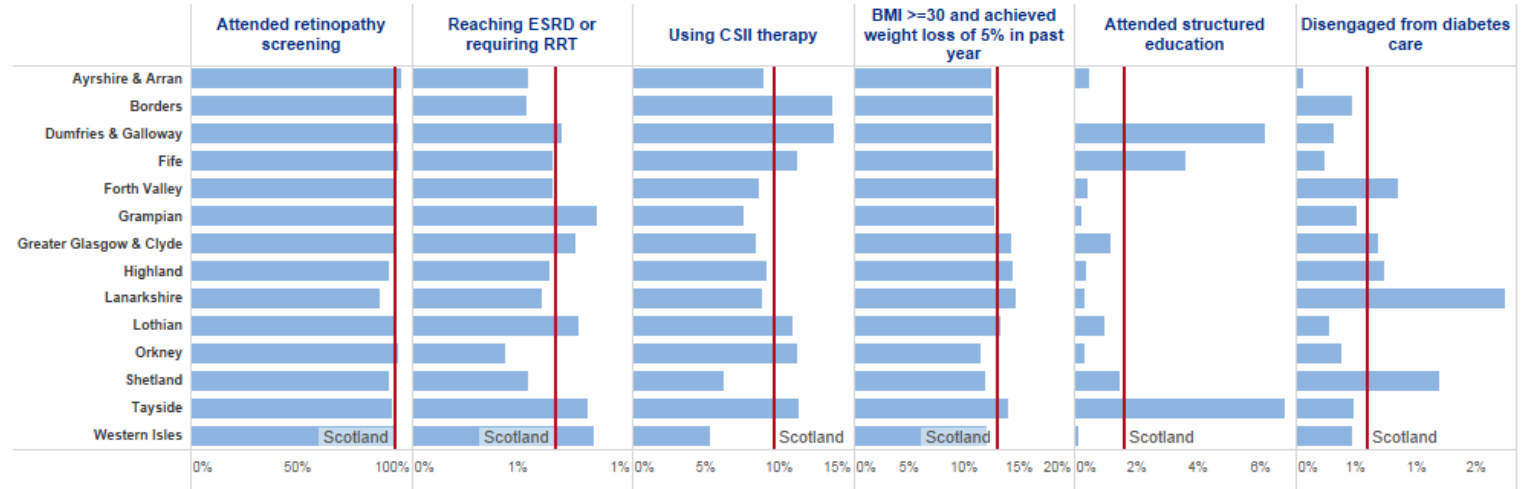
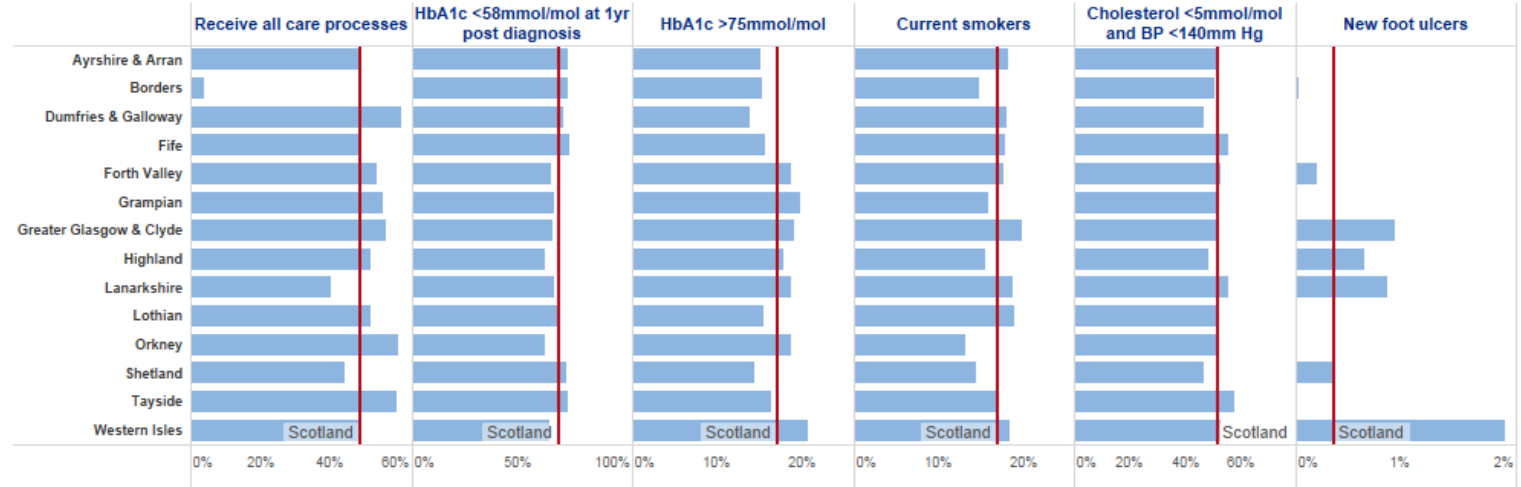


Health Board	Diabetes type	2015 Q2	2015 Q3	2015 Q4	2016 Q1
Ayrshire & Arran	Type 1	2,259	2,259	2,259	2,259
	Type 2	20,556	20,556	20,556	20,556
	Other Diabetes	49	49	49	49
Borders	Type 1	664	664	664	664
	Type 2	5,731	5,731	5,731	5,731
	Other Diabetes	20	20	20	20
Dumfries & Galloway	Type 1	924	924	924	924
	Type 2	8,164	8,164	8,164	8,164
	Other Diabetes	34	34	34	34
Fife	Type 1	2,066	2,066	2,066	2,066
	Type 2	18,791	18,791	18,791	18,791
	Other Diabetes	11	11	11	11



Q1/2016 by Measure

(click on a Health Board to highlight all measures)





MCN Quarterly Audit Q1/2016 - Measures



Select Health Board

Tayside

Select Measure

Measure 1: Receive all 9 care processes



Select Group

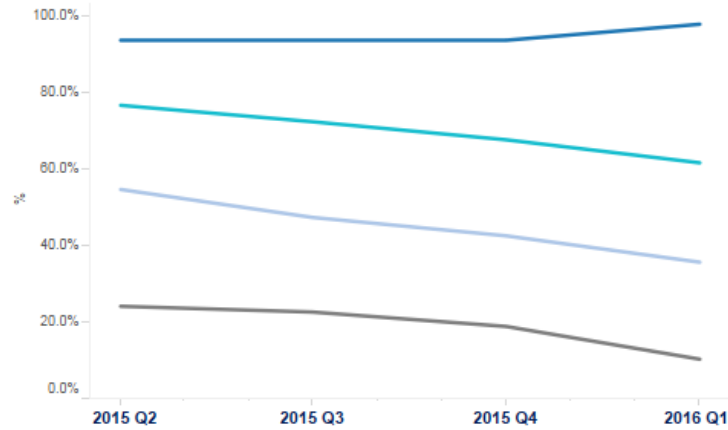
(All)

Select Quarter

2016 Q1

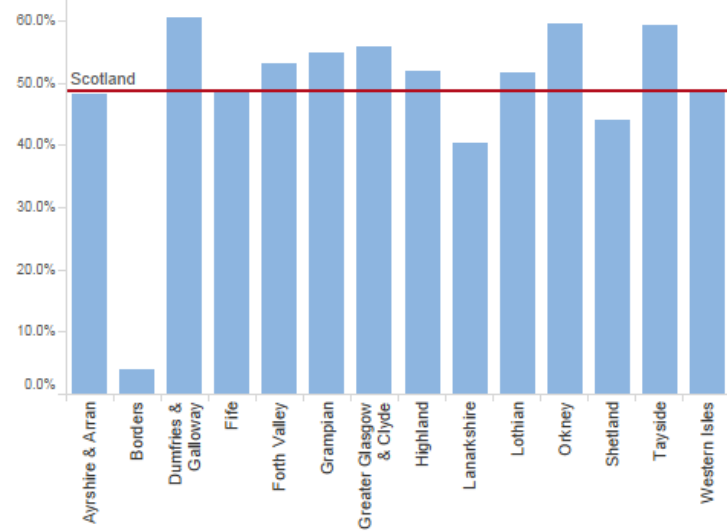
% of people with diabetes who receive all 9 process of care measurements for diabetes

By Group



- Type 1 & Other Age 0-11
- Type 1 & Other Age 12-17
- Type 1 Age 18+
- Type 2 & Other Age 18+

By Health Board - 2016 Q1



	2016 Q1		
	Numerator	Denominator	%
Type 1 & Other Age 0-11	43	44	97.7%
Type 1 & Other Age 12-17	13	127	10.2%
Type 1 Age 18+	667	1,875	35.6%
Type 2 & Other Age 18+	12,628	20,521	61.5%

EUBIROD

- Reviewed existing diabetes data standards
- Defined common dataset & data dictionary
- Captured local domain knowledge
 - Completeness, recording methods
 - Data quality and validity
 - Other relevant metadata



Welcome Scott Cunningham. You have a role of: DataSourceUser and you are displaying data for: Angus and Dundee City

[Logout](#) [Change Data Source](#) [Change your Password](#)

- Structure
- Local Data Items
- Privacy Questionnaire
- Download
- User Guide

Data Source: UKM21.1

- Active Foot Ulcer
- Activity End Date
- Activity End Reason
- Activity Start Date
- Activity Start Reason
- Alcohol Intake
- Alcohol Status
- Amputation
- Anti-Platelet Therapy
- Antihypertensive Medication
- Average Injections
- Blindness
- Body Mass Index
- Cigarettes per day
- Creatinine
- Date
- Date of Birth
- Diabetes Specific Education
- Diastolic Blood

Click on one of the item from the left list to display the stored data

BIRO DATA ITEM: BIRO032

Field name: Active Foot Ulcer

Clinical Definition: Ulcer is defined as any break in the epithelium greater than a crack below the level of the malleoli. It is required as an indicator of possible risk of future amputation 1 = Yes: Ulcer field contains valid year 0 = No: Ulcer field is NULL or contains invalid numeric data

Recorded: Yes No **Mandatory/Routine:** Mandatory Routine

Consistency: Medium **Quality Score:** Medium

Data Completeness: 70%

Additional Comments: Arbitrary percentage as data inclusion from clinical systems is not vetted.

Core Standards of the EUBIROD Project*

Defining a European Diabetes Data Dictionary for Clinical Audit and Healthcare Delivery

S. G. Cunningham¹; F. Carinci^{2,3}; M. Brillante¹; G. P. Leese¹; R. R. McAlpine¹; J. Azzopardi⁴; P. Beck⁵; N. Bratina⁶; V. Bocquet⁷; K. Doggen⁸; P. K. Jarosz-Chobot⁹; M. Jecht¹⁰; U. Lindblad¹¹; T. Moulton¹²; Ž. Metelko¹³; A. Nagy¹⁴; G. Olympios¹⁵; S. Pruna¹⁶; S. Skeie¹⁷; F. Storms¹⁸; C. T. Di Iorio¹⁹; M. Massi Benedetti²

¹University of Dundee, Scotland; ²Hub for International Health Research, Italy; ³University of Surrey, United Kingdom; ⁴University of Malta, Malta; ⁵Joanneum Research, Austria; ⁶University Children's Hospital Ljubljana, Slovenia; ⁷Centre Hospitalier de Luxembourg, Luxembourg; ⁸Scientific Institute of Public Health, Belgium; ⁹Medical University of Silesia, Poland; ¹⁰Havelhöhe Hospital, Germany; ¹¹University of Gothenburg, Sweden; ¹²Adelaide and Meath Hospital, Ireland; ¹³Vuk Vrhovac University Clinic for Diabetes, Croatia; ¹⁴University of Debrecen, Hungary; ¹⁵Ministry of Health, Cyprus; ¹⁶Telemedica Consulting, Romania; ¹⁷NOKLUS, Norway; ¹⁸Dutch Institute for Healthcare Improvement (CBO), The Netherlands; ¹⁹Serectrix snc, Italy

Keywords

Data dictionary, standardised definitions, common dataset, interoperability, diabetes

Summary

Background: A set of core diabetes indicators were identified in a clinical review of current evidence for the EUBIROD project. In

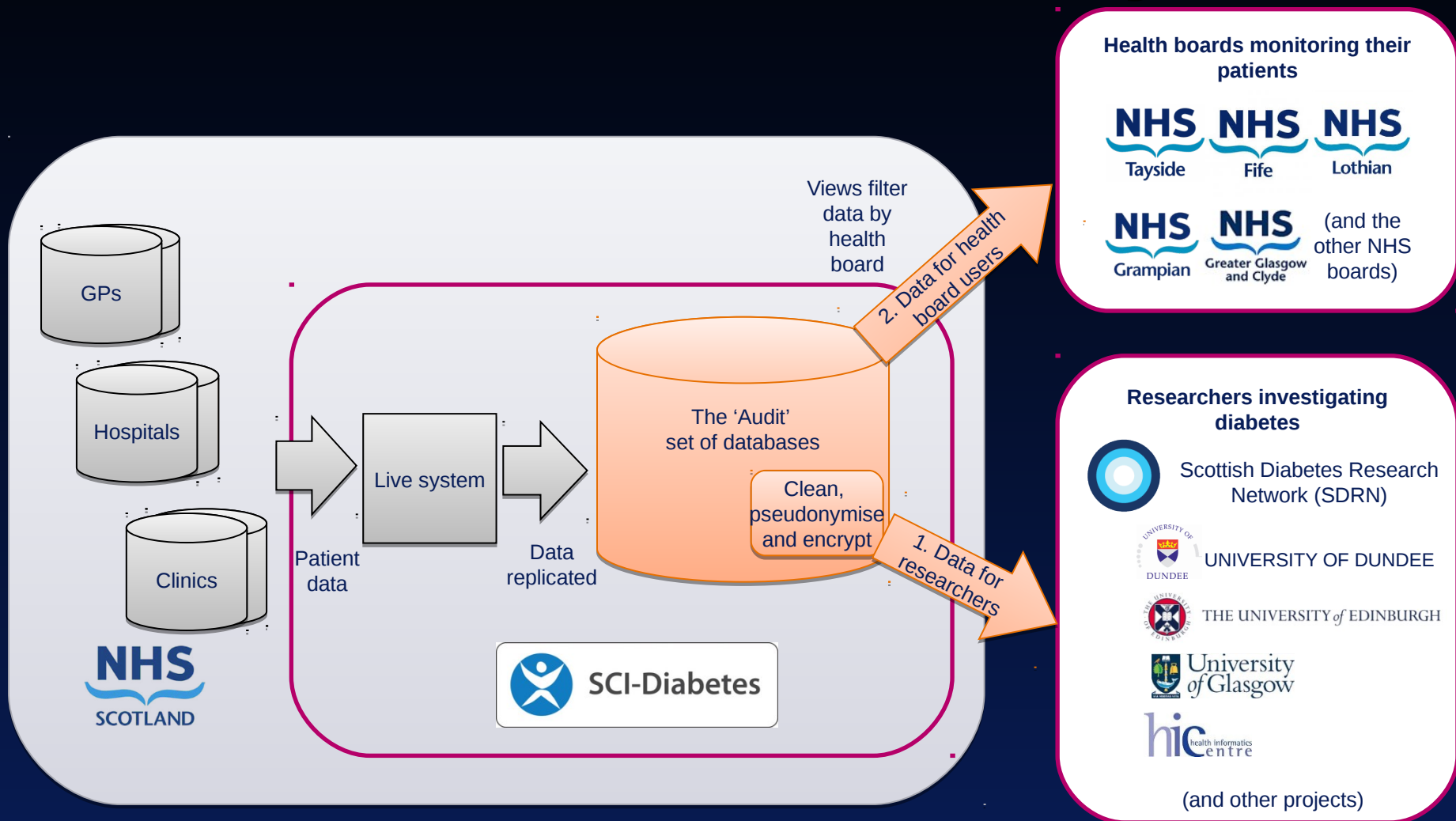
meet the standard definitions. A series of descriptive elements were created to document metadata for each data item, including recording, consistency, completeness and quality.

Results: While datasets varied in terms of consistency, it was possible to create a common standard that could be used by all. The

1. Introduction

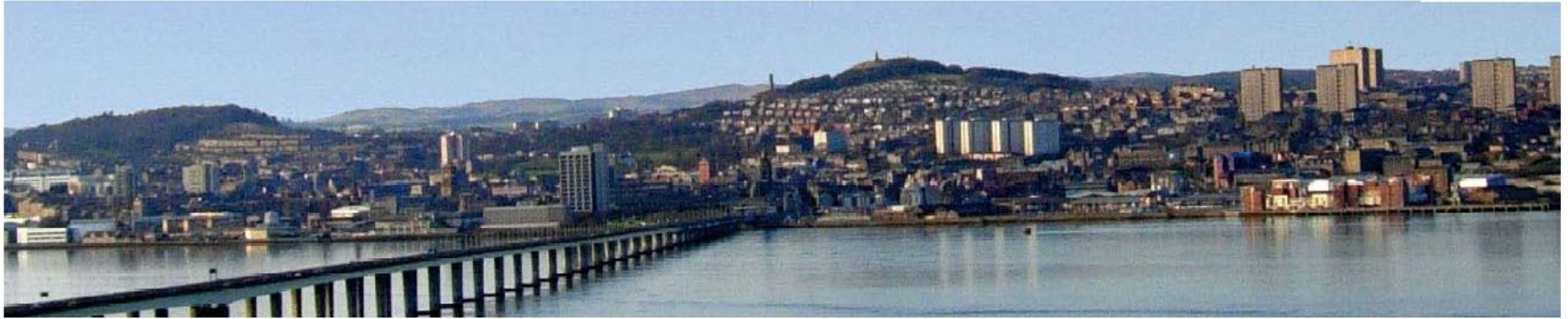
Non-communicable diseases (NCDs) are currently addressed as a global priority for public health monitoring [1]. Among these, diabetes represents a condition that is taken very seriously by policy makers, but seems still difficult to report consistently

SCI-Diabetes Secondary Use





Tayside
Diabetes
MCN



Improving treatment and care for people with diabetes in Tayside

*The Annual Report of NHS Tayside
Diabetes Managed Clinical Network*

2009/10

www.diabetes-healthnet.ac.uk



Scottish Diabetes Research Network

News

About

Patient

HCP

SOPs

Executive

User login

Username: *

Password: *

[Request new password](#)

Contact

SDRN Office
University of Dundee
Diabetes Support Centre
Level 8
Ninewells Hospital
Dundee
DD1 9SY
t 01382 660111 x 34594
f 01382 740147
admin[at]sdrn.org.uk

Search the web
with Everyclick to
support Diabetes UK



Everyclick is an internet search engine
with a big difference: it donates half

Information for Diabetes Patients Overview

The Scottish Diabetes Research Network (SDRN) has been established to speed up development and adoption into the clinic of better treatments to improve the lives of people with diabetes. We would like to invite you to consider giving your permission to be contacted about research studies which may affect the way in which patients with diabetes are treated in future.

Research may include measuring the effects on diabetes of:

- New medicines
- Lifestyle interventions such as diet or exercise
- Genetic make-up

Research Register

We would like to ask if we can approach you about any research which is relevant to your individual medical history. By signing the Permission to Contact form, we will hold your contact details on a secured Research Register and write to you with details of any studies for which you may be a suitable participant. Access to this database is strictly limited to your normal healthcare provider (usually your GP or hospital consultant) and Scottish Diabetes Research Network (SDRN) staff. Sometimes pharmaceutical companies sponsor clinical research but your details will not be passed on unless you have agreed to take part in a study. Please feel free to discuss with family members or friends your decision before agreeing to join.

If you agree to join the Research Register you will be given general information about diabetes research in Scotland and a credit-card sized reminder which details how you can leave the register if you change your mind later. Withdrawal involves a simple

Research Register



Scotland wide permission
to contact research
register
[read more...](#)

Patient Testimonials



"I took part in a clinical

Use of insulin glargine and cancer incidence in Scotland: a study from the Scottish Diabetes Research Network Epidemiology Group

H. M. Colhoun · SDRN Epidemiology Group

Received: 5 June 2009 / Accepted: 24 June 2009 / Published online: 15 July 2009

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Abstract

Aims/hypothesis The aim of the present study was to examine whether patients with diabetes in Scotland using insulin glargine have a greater cancer risk than patients using other types of insulin.

Methods We used a nationwide diabetes clinical database that covers the majority of the Scottish population with diagnosed diabetes, and examined patients with diabetes who were exposed to any insulin therapy between 1 January 2002 and 31 December 2005. Among these we defined a fixed cohort based on exposure during a 4 month period in 2003 ($n=36,254$, in whom 715 cases of cancer occurred) and a cohort of new insulin users across the period ($n=12,852$ in whom 381 cancers occurred). Records from these cohorts

$p=0.9$ in the fixed cohort) The subset of patients using insulin glargine alone ($n=447$) had a significantly higher incidence of all cancers than those using other insulins only ($n=32,295$) (HR 1.55, 95% CI 1.01–2.37, $p=0.045$), and those using insulin glargine with other insulins ($n=3,512$) had a slightly lower incidence (HR 0.81, 95% CI 0.55–1.18, $p=0.26$). There were important differences in baseline characteristics between these three groups, although the risk ratios were broadly unaltered on adjustment for these. Overall, there was no increase in breast cancer rates associated with insulin glargine use (HR 1.49, 95% CI 0.79–2.83, though insulin glargine only users had a higher rate than those using non-glargine insulin only (HR 3.39, 95% CI 1.46–7.85, $p=0.004$). Among type 2 diabetic

My Diabetes My Way

- Website for patients and carers
- Information leaflets
- Interactive content
 - Videos / Patient Testimonials / Interactive tools
- Validated internal/external content
- Overseen by multidisciplinary group
 - Patients / HCPs / IT professionals
- Live since October 2008

mydiabetes + myway
... the interactive diabetes website

ACCESS YOUR RECORDS



LOGIN

Like

Follow

home what is diabetes my complications my medication my lifestyle my family my diabetes my local services my involvement

home >

my diabetes my way is the NHS Scotland interactive diabetes website to help support people who have diabetes and their family and friends.

You'll find leaflets, videos, educational tools and games containing information about diabetes. You can now also use this website to view your own up-to-date diabetes clinic results, to help you manage your condition more effectively.

Diabetes (know formally as Diabetes Mellitus) is a long-term condition caused by too much glucose, a type of sugar, in the blood. There are over 250,000 people with diabetes in Scotland - that's around one person in every twenty.

In the case of an emergency, view the emergency contact leaflet [here](#)



My Diabetes

Sign up to gain access to your own test results, clinic letters and your treatment plan. Take advantage of this opportunity which is only available in NHS Scotland.

LOGIN

REGISTER



What is Diabetes?

Understand the different types of diabetes mellitus and learn how to manage your type of diabetes. Read about blood glucose monitoring.



My Complications

Learn how poor diabetes control affects your body. Reduce your risk of complications or prevent worsening of existing symptoms. Read about treatment of diabetes complications.



My Medication

Increase your knowledge of the diabetes treatments available for your type of diabetes. Learn about how to administer your medications - insulin and non-insulin treatments are discussed.



My Lifestyle

This section discusses how diabetes affects your life, including topics such as driving, employment, travel and exercising.



My Family

This section contains information to help support you or your family when dealing with diabetes. It covers diabetes and pregnancy and resources for children and parents of children who have diabetes.

Moisturise your feet every day

If your skin is dry apply a moisturising cream every day, avoiding the areas between your toes. You may need to apply extra moisturising cream if your skin gets very dry in hot or cold weather.

Toenails

Carry on cutting your toenails as your podiatrist has advised you to.

Avoid walking barefoot

Always wear footwear, even on the beach. The sand can become very warm and you may burn your feet without realising. If you go into the sea, wear some sort of footwear such as plastic shoes to protect your feet. Avoid wearing 'flip-flop' type footwear as they may cause blisters between your toes.

Prescription shoes

If you have been supplied with shoes **do not** wear any other shoes during your holiday (except when you are in the sea).

Minor cuts and blisters

Take a small first-aid kit containing sterile gauze dressings and Micropore tape. If you get a small blister, cut or graze, use diluted antiseptic on a gauze swab to clean the wound and tape on a dry sterile gauze dressing. Do not use cotton wool.

Avoid high or low temperatures

Protect your feet from sunburn with a highfactor sun protection cream (factor 30 or above) or keep them covered. Do not use dark coloured materials to protect your feet as they absorb heat and you could burn your feet. If you discover any problems with your feet, contact your podiatry clinic or GP for advice immediately.

Happy feet will help you to enjoy your holiday

[View the pdf version of this leaflet](#)



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Poor 1 2 3 4 5 Excellent

Any comments you have

Send



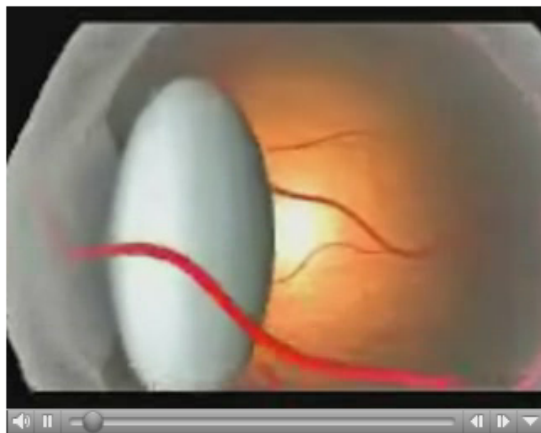
home | my mind | my body | my lifestyle | my diabetes | my local services | my involvement

home > my body > eyes > diabetic retinopathy

Diabetic retinopathy

This video shows you what goes on inside the eye at different stages of diabetic retinopathy.

[View the Windows Media Player version of this video.](#)



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Poor 1 2 3 4 5 Excellent

Any comments you have

Send

SCI-Diabetes - Clinical Summary - Microsoft Internet Explorer provided by NHS Tayside
http://sdcic-ph3-web.bhns.tayside.scot.nhs.uk/Phase3/overview/Type2/Gms.aspx

SCI-Diabetes
Tayside
(Tayside Practice 3)
User name: CUNNINGHAM, Scott
Designation: General Practitioner

Main Menu User Help Contact Forms Save Print Reset Undo Reset Default Logout

GORDON, Adam Born 23-Mar-1961 (52y) Gender Male
Address An Address Phone and Email Diagnosis Type 2 Diabetes Mellitu... Treatment Oral A...

Population Overview: Type 2 Diabetes - Population Overview: Patient Record: Clinical Summary Refresh Page

Clinical Summary

Diabetic Diagnosis/status
Diabetes Type: Type 2 Diabetes Mellitus Date of Diagnosis: 16-Jun-2001
Next Specialist Clinic Review Date: 21-Oct-2013 3 Months Other:

Diabetes Education: Click on Patient Education History to view and enter detailed education information for this patient
Latest Education Record: 31-Aug-2011 Level 3

Diabetic Complications

CHD No	CKD No
Cerebrovascular Disease No	Neuropathy Yes
PVD No	Eye Disease No
	Erectile Dysfunction No

Biochemistry:

HbA1c: 02-Jul-2012 82 mmol/mol	Total Cholesterol: 27-Apr-2012 50 mmol/L
	LDL Cholesterol: mmol/L

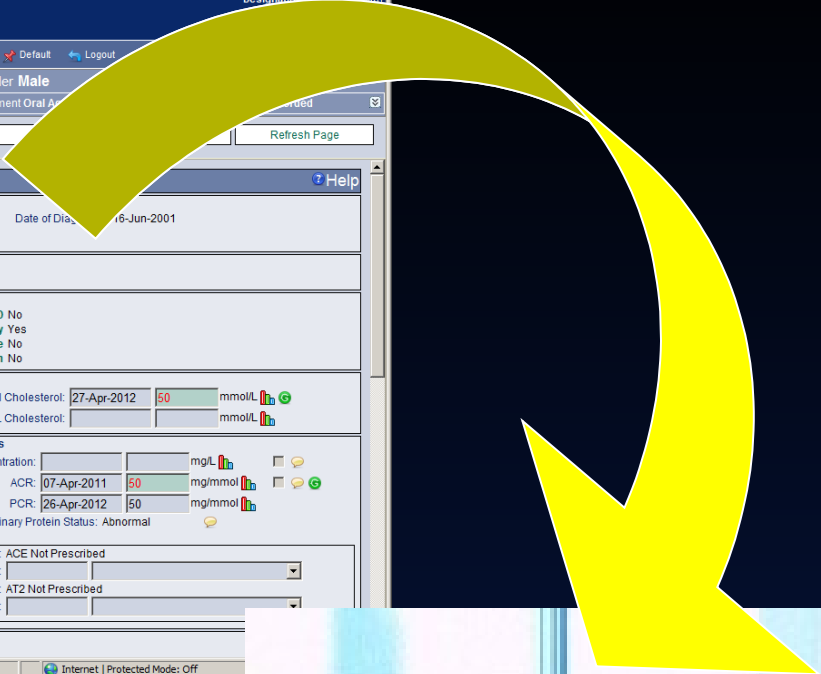
Renal Function:

Creatinine: 02-Jul-2012 85 µmol/L	Microalbumin Concentration:
estimated GFR: 26-Apr-2012 50 ml/min	ACR: 07-Apr-2011 50 mg/mmol
	PCR: 26-Apr-2012 50 mg/mmol

Urinary Protein Status: Abnormal

ACE Inhibitor: ACE Not Prescribed
ACE C1'd/Intolerant:
AT2 Antagonist: AT2 Not Prescribed
AT2 C1'd/Intolerant:

Cardiovascular:



MDMW Personal Health Record

- Limited to key diabetes data
- Information to explain clinical measurements
- Feedback processes to report errors
- Full system audit trail
- Live since December 2010
- Available to anyone with diabetes in Scotland



my diabetes my way, my electronic diabetes record

[my preferences](#) | [logout](#)[my details](#) | [my lifestyle](#) | [my results](#) | [my eyes](#) | [my feet](#) | [my medication](#) | [my diary](#) | [my letters](#) | [my goals](#) | [my recordings](#) | [my summaries](#)**ARCHIBALD MACKIE****My Personal Details**

These are the personal details from your diabetes medical record.

If any of them are wrong, please let us know **by contacting your diabetes team**

- ? **Date of Birth:** 29/05/1932
- ? **CHI Number:** 290532V[DC]
- ? **Address:** A RESIDENCE, SOMEWHERE IN TAYSIDE, DUNDEE
- ? **Type of Diabetes:** Type 1
- ? **Year of Diagnosis:** 1995
- ? **General Practice:**
- ? **Registered GP:**

My Links (Show More)

- [Hypoglycaemia](#)
- [Diabetes explained](#)
- [Hands on Insulin](#)
- [Coping with Illness](#)
- [Insulin Injection Technique](#)
- [Insulin Pumps](#)
- [Reviewing your diabetes](#)

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> insulin injection technique

Insulin Injection Technique

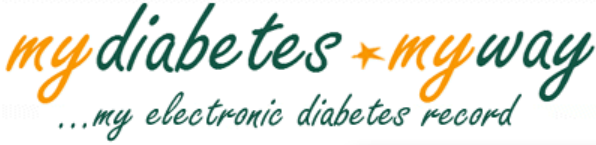
Storage of insulin

- Insulin should be stored in fridge 2 - 8 ° C
- Insulin in use can remain at room temperature for 4 weeks (5 weeks for Levemir).
- However avoid any exposure to direct sunlight or heat from radiator.

Appearance of insulin

- Quick Acting (QA) insulins are clear in appearance.
- Long Acting (LA) Analogues (Lantus and Levemir) are also clear solutions so it is important to check the name on your insulin.
- Isophane insulins (Humulin I - Insulatard) and Mixed insulins are cloudy. These insulins need to be resuspended because the insulin is bound to a protamine that slows its action. It is therefore essential to mix the insulin so that it is cloudy in appearance throughout.

Insulin comes in:



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ARCHIBALD MACKIE

My Lifestyle

Height: 1.69 metres (5ft 7in) on

Weight: 74kg (11st 10lb) on 25/01/2012

Waist Circumference: 90cm on 25/01/2012

BMI: 25.9 kg/m² on 25/01/2012

Influenza Immunisation: []

Smoking Status: Current smoker
Cigarettes per day: Smoking

Recorded allergies: More than 10

Manage my Food Diary: []

[Contact your diabetes team](#) |

My Diabetes My Way - Google Chrome
dev3.hicest.dundee.ac.uk/patientaccess/definition.aspx?item=BMI



BMI

Body Mass Index (BMI) is a measurement of your weight in relation to your height. It is used by healthcare professionals to assess if an individual's weight is putting their health at risk.

For people of European extraction is best to keep your BMI in the range between 18 and 25 kg/m² to reduce the risk of associated health problems.

In higher risk populations (e.g. South Asian and Chinese), the BMI threshold associated with health problems is lower, for example BMI >23 kg/m² may be associated with increase risk of health problems and BMI>27.5kg/m² considered high risk (equivalent to >30 kg/m² in Caucassian populations) .

Ref: **NICE Public Health Guidance 46.**

"Assessing body mass index and waist circumference thresholds for intervening to prevent ill health and premature death among adults from black, Asian and other minority ethnic groups in the UK"

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My Links

- [Reviewing your diabetes](#)
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- [Exercise and Diabetes](#)
- [Smoking and Diabetes](#)
- [Interactive Store Tour](#)

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ARCHIBALD MACKIE

My Test Results

[?](#) **My target chart:**

[?](#) **HbA1c:** 36.0 mmol/mol (5.4%) on 17/01/2016

[?](#) **Blood Glucose:** 4.0 mmol/L on 27/02/2016

[?](#) **Blood Pressure:** 130/80 mmHg on 05/02/2016

[?](#) **Total Cholesterol:** 4.5 mmol/L on 27/02/2016

[?](#) **HDL Cholesterol:** 1.50 mmol/L on 28/01/2016

[?](#) **LDL Cholesterol:** 1.2 mmol/L on 28/01/2016

[?](#) **Triglycerides:** 2.4 mmol/L on 14/01/2016

[?](#) **Creatinine:** 88.0 umol/L on 24/02/2016

[?](#) **Albumin/Creatinine Ratio:** > 2 mg/mmol on 12/02/2016

[?](#) **eGFR:** > 68 ml/min on 20/01/2016

My Links

- [Reviewing your diabetes](#)
- [What Care to Expect](#)
- [Blood Sugar Testing](#)
- [Change in HbA1c Results](#)

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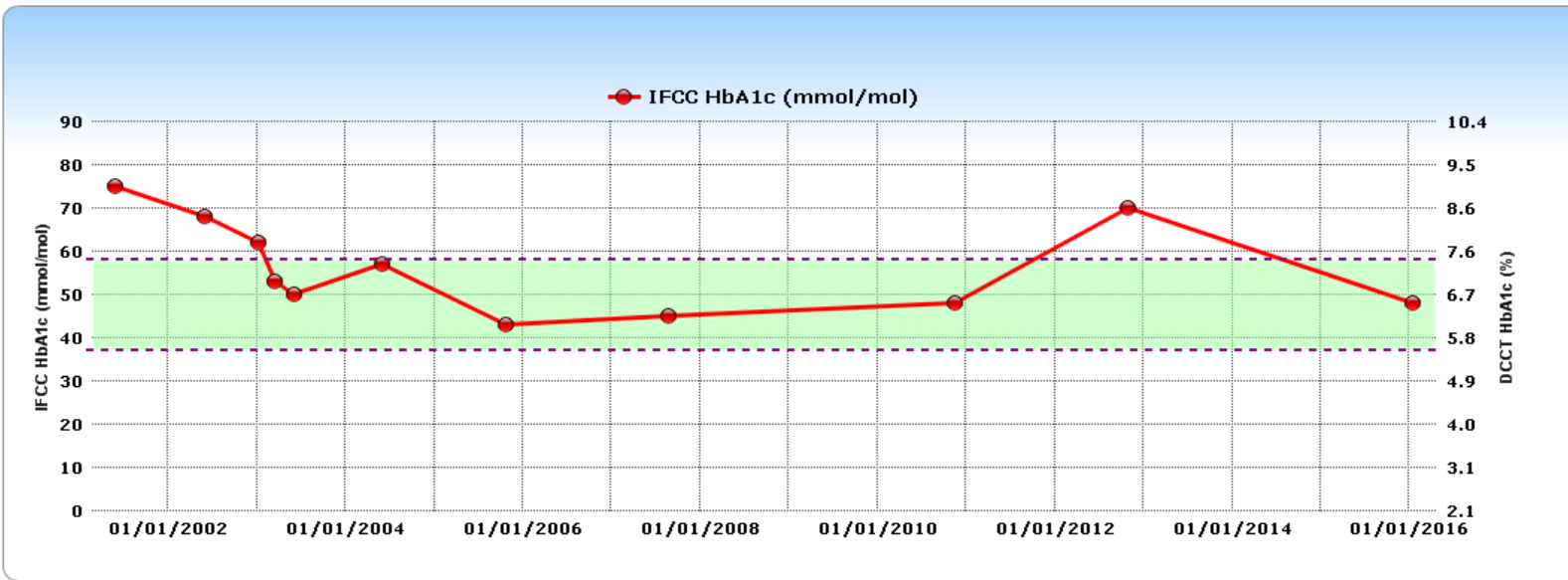
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ARCHIBALD MACKIE

My HbA1c History

Select period to view



Date	IFCC HbA1c (mmol/mol)	DCCT HbA1c (%)	Source
17/01/2016 18:55	48.0	6.5%	Tayside Practice 1 - GPASS, Primary Care
01/11/2012	70.0	8.6%	Tayside Practice 1 - GPASS, Primary Care
18/11/2010	48.0	6.5%	Tayside Practice 1 - GPASS, Primary Care
24/08/2007	45.0	6.3%	Tayside Practice 1 - GPASS, Primary Care
25/10/2005	43.0	6.1%	Tayside Practice 1 - GPASS, Primary Care
01/06/2004	57.0	7.4%	Tayside Practice 1 - GPASS, Primary Care
03/06/2003	50.0	6.7%	Tayside Practice 1 - GPASS, Primary Care
20/03/2003	53.0	7.0%	Tayside Practice 1 - GPASS, Primary Care



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
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ARCHIBALD MACKIE



My Eye Screening

Last Retinal Screening: 07/01/2016



? Retinal Status

Right Eye: No Retinopathy on 07/01/2016 
Left Eye: No Retinopathy on 07/01/2016 






? Maculopathy Status

Right Eye: No Maculopathy on 07/01/2016 
Left Eye: No Maculopathy on 07/01/2016 


? Visual Acuity

Right Eye: 6/6 (Corrected) on 07/01/2016 
Left Eye: 6/6 (Corrected) on 07/01/2016 

My Links

-  [Reviewing your diabetes](#)
-  [Diabetic Eye Disease](#)
-  [Eye Screening Journey](#)
-  [Eye Care Testimonial](#)
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My Diabetes My Way - Diabetes

www.mydiabetesmyway.scot.nhs.uk/resources/retinopathy/retinopathy

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... the interactive diabetes website

ACCESS YOUR RECORD

NHS SCOTLAND

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> diabetic retinopathy

Retinopathy

This video shows you what goes on inside the eye at different stages of diabetic retinopathy

If you have difficulty viewing this video please click [alternative player](#)

Retinopathy



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ARCHIBALD MACKIE

My Medication

Date	Drug Name	Preparation	Dose	Quantity
29/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	56
29/01/2016	Losartan Potassium	TABS 50MG	1 Tab	56
29/01/2016	Doxazosin Mr	TABS 4MG	1 Tab	56
29/01/2016	Candesartan Cilexetil	TABS 16MG	1 Tab	56
29/01/2016	Aspirin	Dispersible TABS 75MG	1 Tab	56
27/01/2016	Nuseals Aspirin	Ec TABS 75MG	1 TAB	56 tabs
27/01/2016	Doxazosin	TABS 4MG	1 Tab	56
27/01/2016	Candesartan Cilexetil	TABS 16MG	1 Tab	56
27/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	56
27/01/2016	Atenolol	TABS 50MG	1 Tab	56
27/01/2016	Aspirin	Dispersible TABS 75MG	1 Tab	56
27/01/2016	Alphosyl 2 In 1	Shampoo	Apply	125
27/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	84
26/01/2016	Losartan Potassium	TABS 25MG	1 Tab	28
25/01/2016	Losartan Potassium	TABS 25MG	1 Tab	56
24/01/2016	Alphosyl 2 In 1	Shampoo	Apply	125
23/01/2016	Doxazosin Mr	TABS 4MG	1 Tab	56
23/01/2016	Atenolol	TABS 50MG	1 Tab	56
23/01/2016	Candesartan Cilexetil	TABS 16MG	1 Tab	84
23/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	84
23/01/2016	Atenolol	TABS 50MG	1 Tab	84
23/01/2016	Aspirin	Ec TABS 75MG	1 Tab	84
22/01/2016	Clarithromycin Mr	TABS 500MG	1 Tab	7
20/01/2016	Doxazosin	TABS 2MG	1 Tab	56
20/01/2016	Candesartan Cilexetil	TABS 16MG	1 Tab	56
20/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	56

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- [Reviewing your diabetes](#)
- [Hands on Insulin](#)
- [Treatment of Diabetes](#)
- [Smoking and Diabetes](#)

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ARCHIBALD MACKIE

My Medication

Date	Drug Name
29/01/2016	Bendroflu
29/01/2016	Losartan P
29/01/2016	Doxazosin
29/01/2016	Candesarta
29/01/2016	Aspirin
27/01/2016	Nuseals As
27/01/2016	Doxazosin
27/01/2016	Candesarta
27/01/2016	Bendroflu
27/01/2016	Atenolol
27/01/2016	Aspirin
27/01/2016	Alphosyl 2
27/01/2016	Bendroflu
26/01/2016	Losartan P
25/01/2016	Losartan P
24/01/2016	Alphosyl 2
23/01/2016	Doxazosin
23/01/2016	Atenolol
23/01/2016	Candesarta
23/01/2016	Bendroflu
23/01/2016	Atenolol
23/01/2016	Aspirin
22/01/2016	Clarithromy
20/01/2016	Doxazosin
20/01/2016	Candesartan Cilexetil
20/01/2016	Bendroflumethiazide (Bendrofluazide)

Simvastatin - Simvador, Zocor. Cholesterol level medication | Patient - Google Chrome

patient.info/medicine/simvastatin-simvador-zocor

Article | Related | Support | Discuss

About simvastatin

Type of medicine	A lipid-regulating medicine commonly known as a statin
Used for	Lowering cholesterol and other lipids in the blood; to reduce the risk of heart and blood vessel disease
Also called	Simvador®; Zocor®; and Inegy® (a combination of simvastatin with a medicine called ezetimibe)
Available as	Tablets and oral liquid medicine

188

5

0





23

Lipids, or fats, are made naturally in your body from the food you eat. They are easily stored in your body and serve as a source of energy. [Cholesterol](#) and triglycerides are types of lipid. If the concentration of these lipids in your blood becomes too high, it leads to a condition called [hyperlipidaemia](#). If it is the concentration of cholesterol which has become too high, it is called [hypercholesterolaemia](#). Although a high blood concentration of lipids will not make you feel ill, it can cause a problem if it is left untreated.



People with high lipid levels can develop small fatty patches called [atheroma](#). These patches develop when excess fat is deposited on to the walls of blood vessels. Over time, these patches can make a blood vessel narrower and this is called atherosclerosis (sometimes referred to as 'hardening of the arteries'). The narrowing reduces the blood flow through the artery and increases the risk of a number of heart and blood vessel diseases, such as [heart attack](#) and [stroke](#).

20/01/2016	Doxazosin	TABS 2MG	1 Tab	56
20/01/2016	Candesartan Cilexetil	TABS 16MG	1 Tab	56
20/01/2016	Bendroflumethiazide (Bendrofluazide)	TABS 2.5MG	1 Tab	56

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ARCHIBALD MACKIE

My Goals Summary

Setting goals is a good way of focusing on specific aspects of your health that you wish to improve.

Here is a summary of the goals you have set yourself, with achievement dates. Try to set goals that are realistic and review and revise your goals regularly. Sharing your goals with your health care team and friends and family can help provide the support and knowledge you need to make these positive changes.

Good Luck!!

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Result	Current Result	Goal	
HbA1c	36.0 mmol/mol (5.4%) on 17/01/2016	No goal set	Set goal
Blood glucose	4.0 mmol/L on 27/02/2014	4.0 mmol/L by 01/09/2016	Amend goal
Cholesterol	4.5 mmol/L on 27/02/2014	4.4 mmol/L by 27/04/2016	Amend goal
Blood pressure	130/80 mmHg on 05/02/2016	130/90 mmHg by 01/06/2016	Amend goal
Weight	74kg (11st 10lb) on 25/01/2016	No goal set	Set goal
Waist circumference	90cm on 17/02/2016	No goal set	Set goal
Smoking status	Current smoker on 03/02/2016	No goal set	Set goal
Cigarettes per day	Smoking 21 cigarettes per day on 03/02/2016	Reducing cigarettes to a maximum of 5 per day by 01/09/2016	Amend goal

[Contact your diabetes team](#) | [Discussion forum](#) | [frequently asked questions](#)

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ARCHIBALD MACKIE

Care Measures Summary

Patient Name:	ARCHIBALD MACKIE	Address:	A RESIDENCE, SOMEWHERE IN TAYSIDE, DUNDEE
Date of Birth:	29/05/1932	CHI Number:	290532V[DC
Type of Diabetes:	Type 1	Year of Diagnosis:	1995

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There's a minimum level of care that every person who has diabetes deserves and should expect from their health service. Getting all the checks, seeing the right healthcare professionals and understanding your diabetes are all essential in helping you manage your condition. Use this checklist to make sure you're getting all the care you need.

Get your blood glucose levels measured. 4.0 mmol/L on 27/02/2014
 You should have an annual HbA1c blood test to measure your overall blood glucose control. Although there are recommended targets, no two people with diabetes are the same and your target should have been agreed by you and your diabetes healthcare team.

Have your blood pressure measured. 130/80 mmHg on 05/02/2016
 You should have your blood pressure taken and recorded at least once a year. There are recommended targets but you should have a target that is right for you.

Have your blood fats (cholesterol) measured. 4.5 mmol/L on 27/02/2014
 You should have an annual blood test to measure your cholesterol level. Like blood glucose and blood pressure, you should have your own target that is realistic and achievable.

Have your eyes looked at. 07/01/2016
 You have the right to have your eyes screened for signs of retinopathy every year. Using a specialised digital camera, a photo of your eyes is taken and examined by a specialist who is looking for any changes to your retina (the seeing " part at the back of your eye).

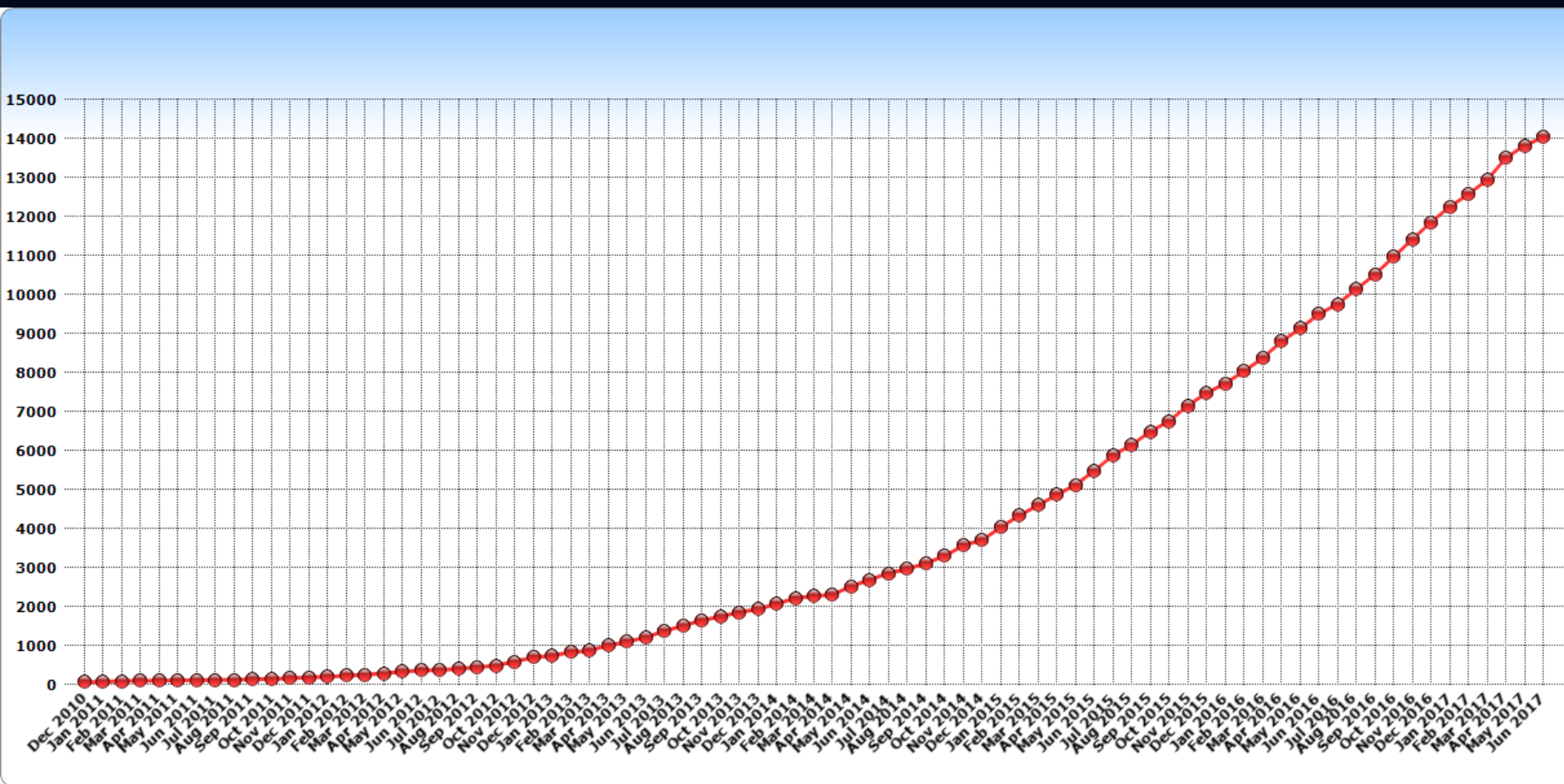
Have your legs and feet checked. Moderate Risk on 27/01/2016
 The skin, circulation and nerve supply of your legs and feet should be examined annually. If there is any risk to your limbs, you should be referred to a podiatrist or a specialist foot clinic.

Have your kidney functions monitored. > 68 ml/min on 20/01/2016
 You should have two tests for your kidneys each year. A urine test checking for protein - a sign of possible kidney problems - and a blood test measuring the rate at which blood is filtered by the kidneys.

Have your weight checked. 74kg (11st 10lb) on 25/01/2016
 You should be weighed and have your waist measured to see if you need to lose weight.

Records Access – Current Status

- 15,500 people have accessed their records

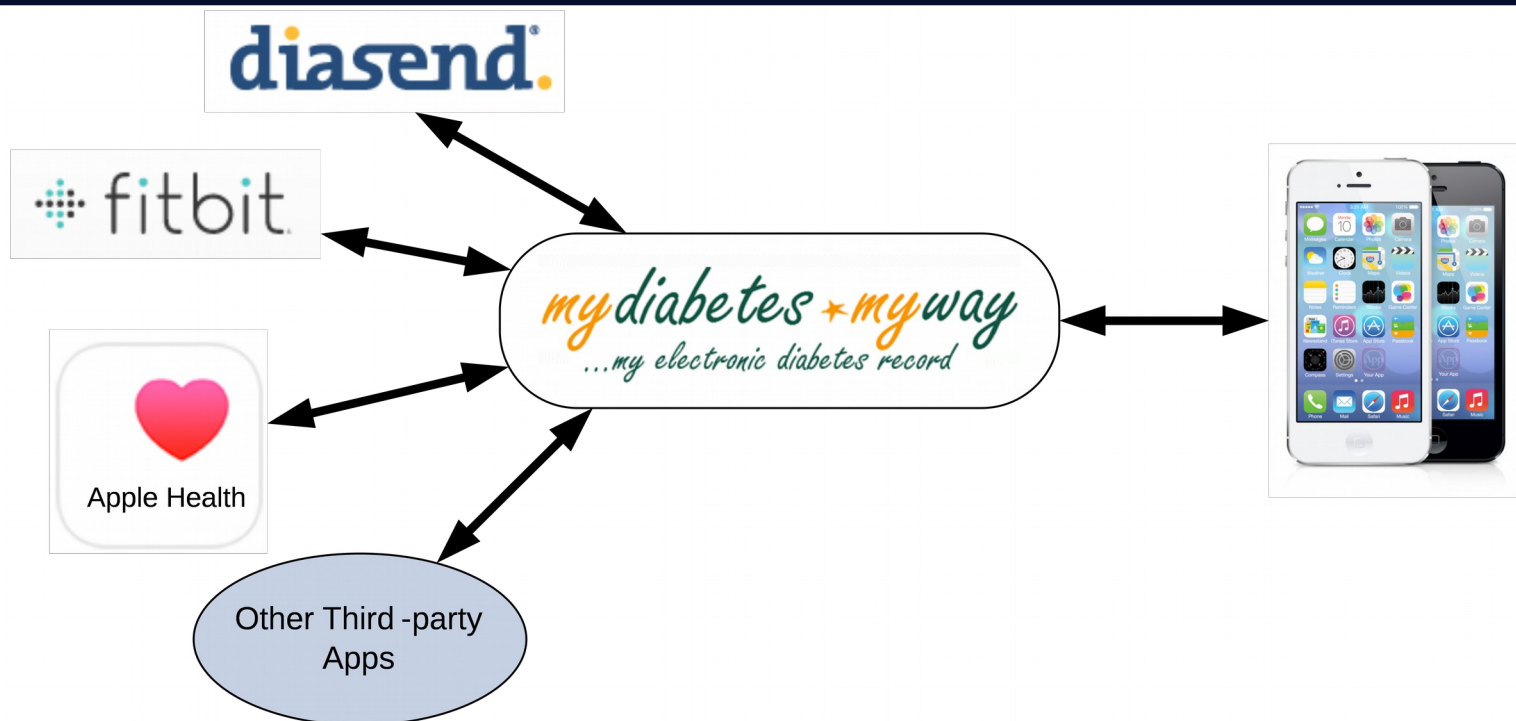


Anecdotal Feedback

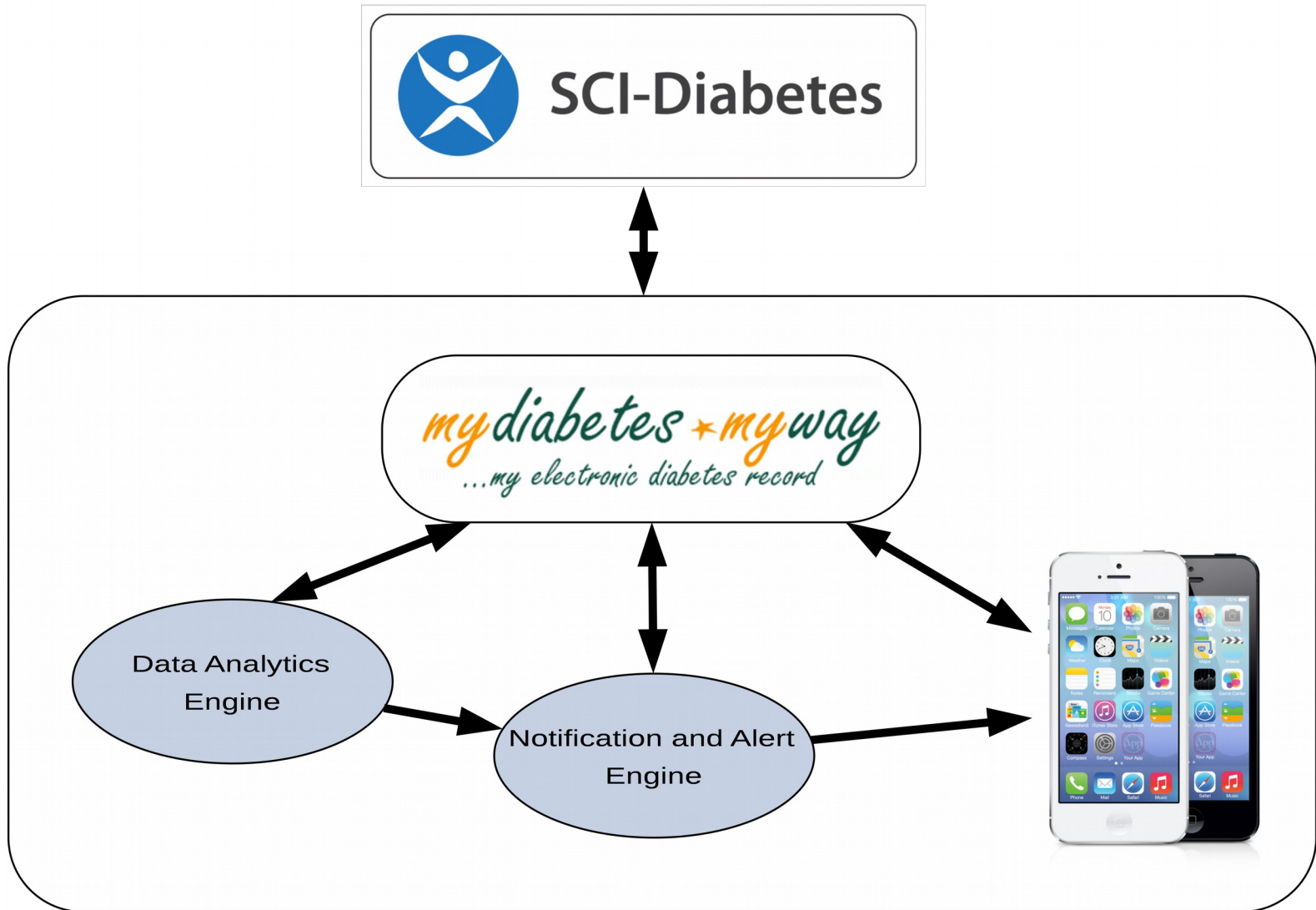
- *The knowledge provided helps me **understand the normal parameters** and where I stand/can improve...*
- *more information available to me means I can **play a more positive role** in my treatment...*
- *Great site and like having the long term history available to **put current results in perspective**...*
- *It is great to be able to view all of my results so that I **can be more in charge of my diabetes**...*
- *What a fab resource, **wish we had this in @NHSEngland***

Patient-recorded Data

- Mobile: >1,500 diabetes apps!
- Wearable technology: pumps, CGM, activity
- Home monitoring: BG, BP, weight, CHO



Patient-recorded Data



Blood Glucose report for DANIEL MCRAE

Here is your personal report based on your last 30 days of blood glucose data.

Please remember to download your meter regularly (at least weekly) to enable accurate data reporting. We recommend checking your blood glucose levels at least 4 times a day and up to 10 times a day as required.

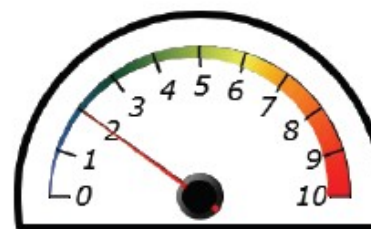
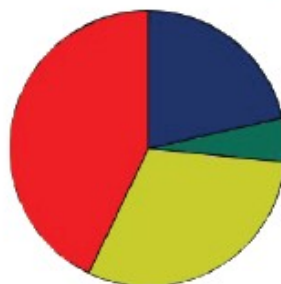
Targets:

Pre-breakfast: 5-7 mmol/L - Pre-meal: 4-7 mmol/L - Post-meal: 5-9 mmol/L - Pre-bed: 6-8 mmol/L

Your health care team may discuss alternative personal or interim targets for you.

Result Summary (last 30 days)

low	21.43 %
on target	5.10 %
high	30.61 %
very high	42.86 %



Average glucose levels

Your average blood glucose was: **9 mmol/L**
 Equivalent to an estimated HbA1c of: **56mmol/mol**
 Your average number of checks per day: **7**
 Total checks: **220**

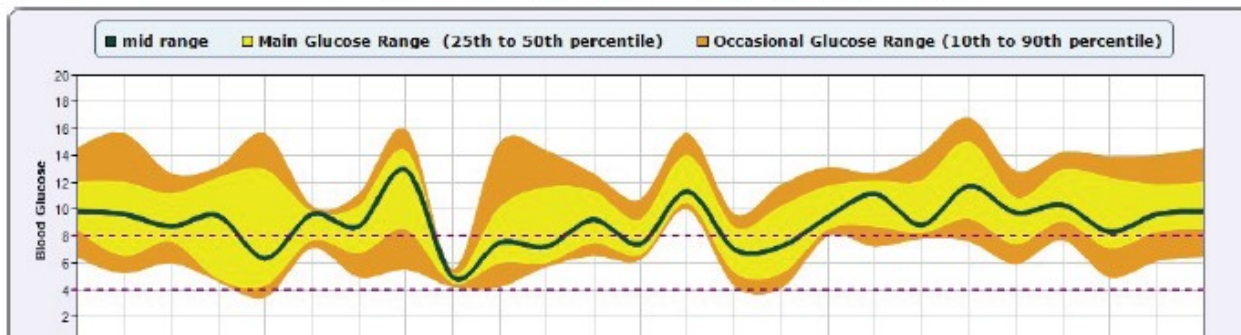
Glucose variability

Big swings in blood glucose level from high to low may increase your risk of complications.

Aim for **LOW** glucose variability.

Your result **2 out of 10**

AGP - Glucose Levels Across the Day (last 30 days)



Welcome to My Diabetes My Way

The **NHS Scotland** interactive diabetes website to help support people who have diabetes and their family and friends.

You'll find leaflets, videos, educational tools and games containing information about diabetes. You can now also use this website to view your own up-to-date diabetes clinic results, to help you manage your condition more effectively.



Emergency Contact Leaflet

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[Read](#)



My Diabetes

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[Register](#)

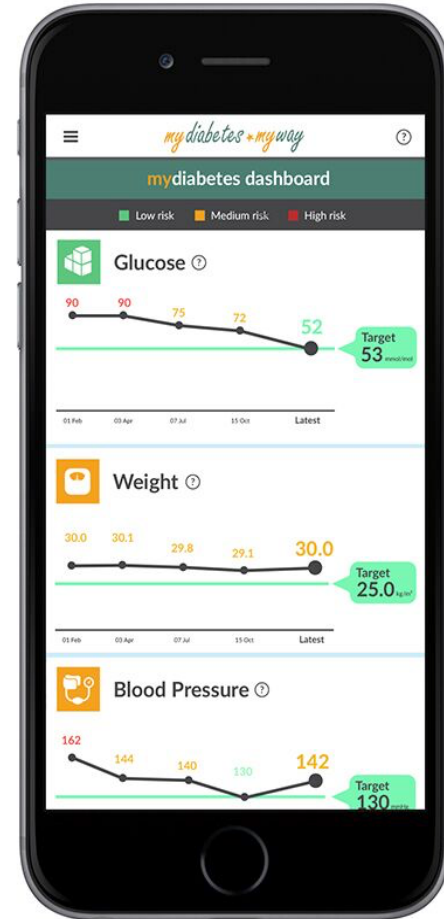
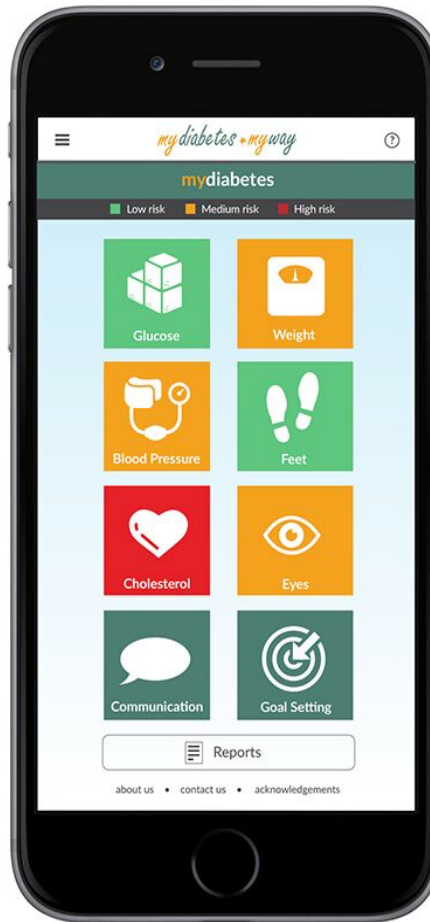
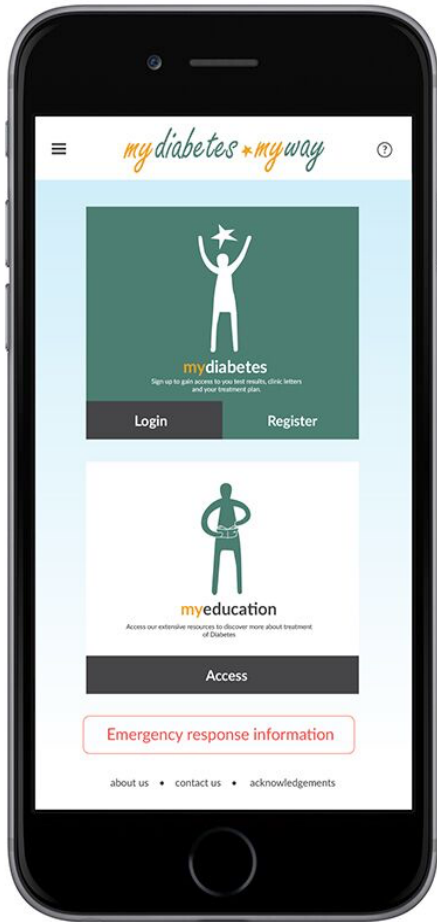
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*my diabetes * my way*

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scott.cunningham@nhs.net

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