IMPROVING DIABETES CARE IN SCOTLAND 2018

UNDERSTANDING THE PRESENT AND SHAPING THE FUTURE

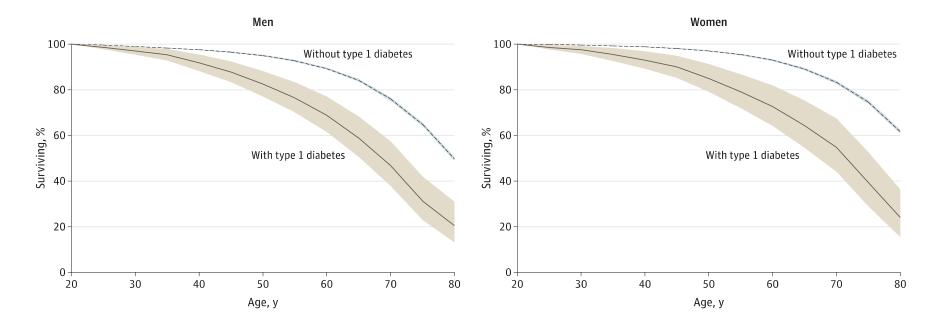


Type 1 Diabetes subgroup Background and update

National diabetes meeting Stirling 2018

Dr Fraser Gibb Type 1 Subgroup SDG

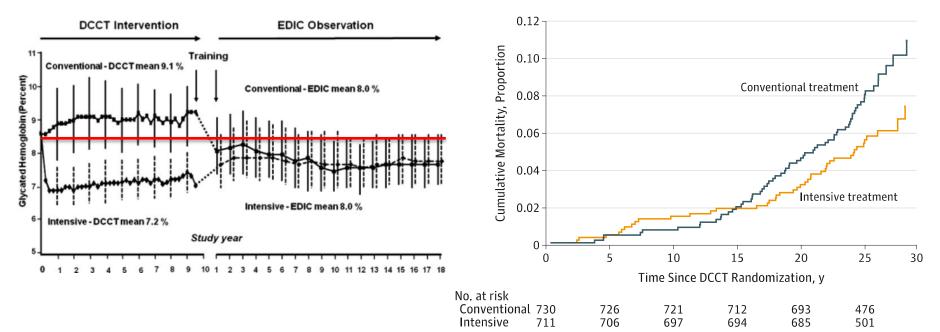
Scottish T1 diabetes mortality Significant loss of life years



Estimated Life Expectancy in a Scottish Cohort With Type 1 Diabetes, 2008-2010

Shona J. Livingstone, MSc; Daniel Levin, MSc; Helen C. Looker, MBBS; Robert S. Lindsay, FRCP; Sarah H. Wild, FRCP; Nicola Joss, MD; Graham Leese, MD; Peter Leslie, MD; Rory J. McCrimmon, FRCP; Wendy Metcalfe, MD; John A. McKnight, FRCP; Andrew D. Morris, FRCP; Donald W. M. Pearson, FRCP; John R. Petrie, MD; Sam Philip, MD; Naveed A. Sattar, FRCP; Jamie P. Traynor, MD; Helen M. Colhoun, MD; for the Scottish Diabetes Research Network epidemiology group and the Scottish Renal Registry JAMA. 2015;313(1):37-44. doi:10.1001/jama.2014.16425

DCCT and how we compare Answer: not well

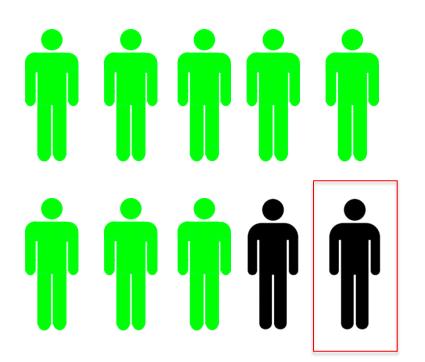


Cumulative mortality by treatment group

JAMA. 2015;313(1):45-53. doi:10.1001/jama.2014.16107



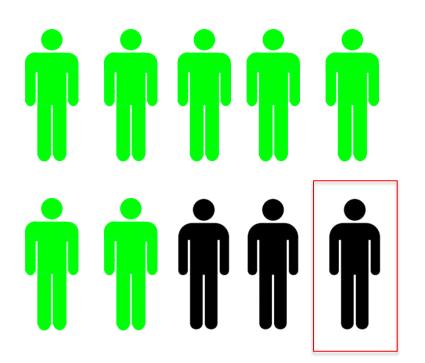
TYPE 1 DIABETES



NO DIABETES



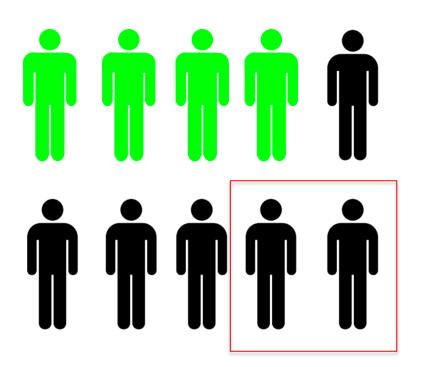
TYPE 1 DIABETES



NO DIABETES

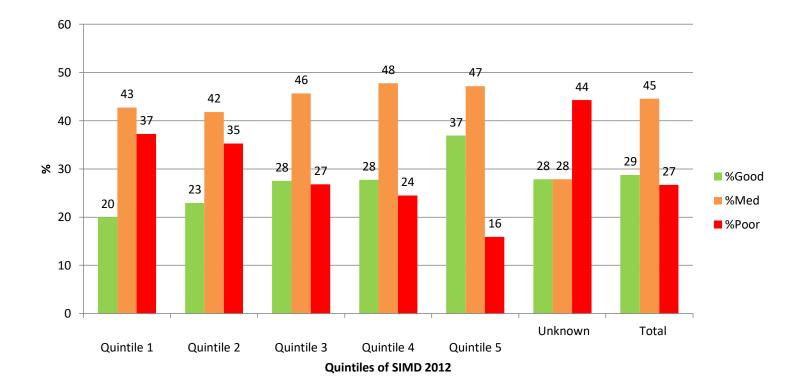


TYPE 1 DIABETES

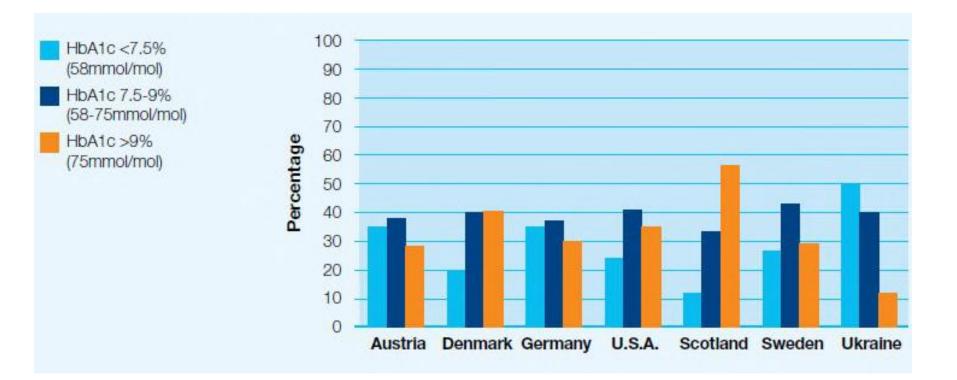


NO DIABETES

Effect of deprivation SIMD quintiles in our T1 population (RIE)

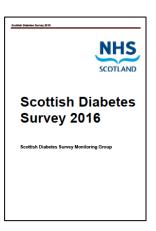


Scottish outcomes T1DM control across the world



Mean HbA1c By Health board and age in Scotland

	Type 1 diabetes: Age in years													
NHS Board	0-4	5-9	10-14	15-19	20-24	25-29	30-39	40-49	50-59	60-79	>79			
Shetland	0	68	60	62	89	77	64	65	65	60	0			
Ayrshire and Arran	60	61	64	77	77	77	70	71	70	65	70			
Borders	61	59	61	71	74	76	68	72	68	65	67			
Dumfries and Galloway	67	60	61	75	79	77	70	68	66	64	66			
Fife	63	62	70	75	76	70	69	70	70	65	67			
Greater Glasgow and Clyde	56	58	63	71	76	71	69	71	71	67	71			
Lothian	58	61	64	76	71	71	67	68	68	65	66			
Grampian	56	62	65	80	76	73	70	72	71	69	80			
Orkney	0	65	57	75	73	74	67	64	68	61	73			
Tayside	60	62	72	78	79	79	74	72	72	69	71			
Forth Valley	64	63	68	79	79	79	71	72	71	67	69			
Highland	59	61	61	72	77	74	68	71	69	66	70			
Lanarkshire	64	61	65	76	78	77	71	73	71	70	67			
Western Isles	72	65	65	75	79	74	67	74	64	70	70			



Diabetes improvement Plan Priority areas

Prevention and Early Detection of Diabetes and its Complications

To establish and implement approaches to support the prevention and early detection of type 2 diabetes, the rapid diagnosis of type 1 and the implementation of measures to promptly detect and prevent the complications of diabetes.

Person-Centred Care

To ensure people with diabetes are enabled and empowered to safely and effectively selfmanage their condition by accessing consistent, high quality education and by creating mutually agreed individualised care plans.

Type 1 Diabetes

To improve the care and outcomes of all people living with type 1 diabetes.

Equality of Access

To reduce the impact of deprivation, ethnicity and disadvantage on diabetes care and outcomes. Diabetes Improvement Plan

Diabetes improvement Plan Priority areas

Supporting & Developing Staff

To ensure healthcare professionals caring for people living with diabetes have access to consistent, high quality diabetes education to equip them with the knowledge, skills and confidence to deliver safe and effective diabetes care.

Improving Information

To ensure appropriate and accurate information is available in a suitable format and effectively and reliably used by all those involved in diabetes care.

Inpatient Diabetes

To improve the quality of care for people living with diabetes admitted to hospital by improving glucose management and reducing the risk of complications during admission.

Innovation

To accelerate the development and diffusion of innovative solutions to improve treatment, care and quality of life of people living with diabetes.



Diabetes improvement Plan Aims

Triple Aim:			Quality of Care							Value and Sustainability		
REFRESHING THE DIABETES ACTION PLAN	Person Centred Care	Safe Care	Primary Care	Unscheduled & Emergency Care	Integrated Care	Care for Multiple & Chronic Ilhesses	Early Years	Health Inequalities	Prevention	Workforce	Innovation	Efficiency & Productivity
Prevention and Early Detection of Diabetes and its Complications												
Enhance strategies to support people at risk of developing diabetes and early identification of those with diabetes												
Earlier identification of the diagnosis of diabetes												
Type 1 Diabetes									_			
Improve the care of children and young people												
Improve glycaemic control												
Person-Centred Care												
Timely and appropriate access to high quality patient education and self management support												
Improve care planning												
Empower and engage people living with diabetes												
Improve the outcomes in pregnancy												
Equality of Access												
Minimise the impact of deprivation, ethnicity and geography												
Improve outcomes for individuals requiring additional support												



Diabetes improvement Plan Aims

Triple Aim:	Quality of Care							Health of the Population			Value and Sustainability		
REFRESHING THE DIABETES ACTION PLAN	Person Centred Care	Safe Care	Primary Care	Unscheduled & Emergency Care	Integrated Care	Care for Multiple & Chronic Illnesses	Early Years	Health Inequalities	Prevention	Workforce	Innovation	Efficiency & Productivity	
Supporting and Developing Staff													
Increase the level of consultation and patient engagement skills													
Increase the level of educator skills and confidence in delivering diabetes education													
Increase the level of psychological assessment skills													
Inpatient Diabetes													
Improve glycaemic control of people admitted to hospital													
Improve foot care outcomes													
Improve the experience of people with diabetes admitted to hospital													
Improving Information													
Improve access to appropriate and accurate information													
Better reporting and use of data at both national and local levels													
Improve patient access to their data to support self management													
Innovation													
Promote networking and mechanisms to support innovation													
Increase pace of adoption of proven innovations													



Quarterly reporting

T1DM

Quarterly Diabetes Reporting – Initial measures

- % people with diabetes who receive all 9 key indicator measurements for diabetes
- 2. % persons with an HbA1c <58mmol/mol at 1 year post diagnosis
- 3. % persons with an HbA1c <58 mmol/mol and >75 mmol/mol
- 4. % current smokers
- % of people aged 50 to 80 with a total cholesterol <5mmol/l AND a systolic BP <140 mm Hg
- 6. % of new foot ulcers
- % of people eligible for diabetic retinopathy screening actually screened within last 15 months
- % of people with diabetes reaching end stage renal disease or requiring renal replacement therapy
- 9. % of people on CSII therapy
- 10. % of persons with a BMI ≥ 30 who have lost ≥ 5% body weight in the last year
- 11. % persons who have attended structured education
- % disengaged from diabetes care i.e. no HbA1c and retinal screening in the preceding 15 months

In most cases, measures will be reported for T1DM <18yrs | T1DM >18 years | T2DM.



T1 Subgroup

Achievements and work in progress

• SCI Diabetes

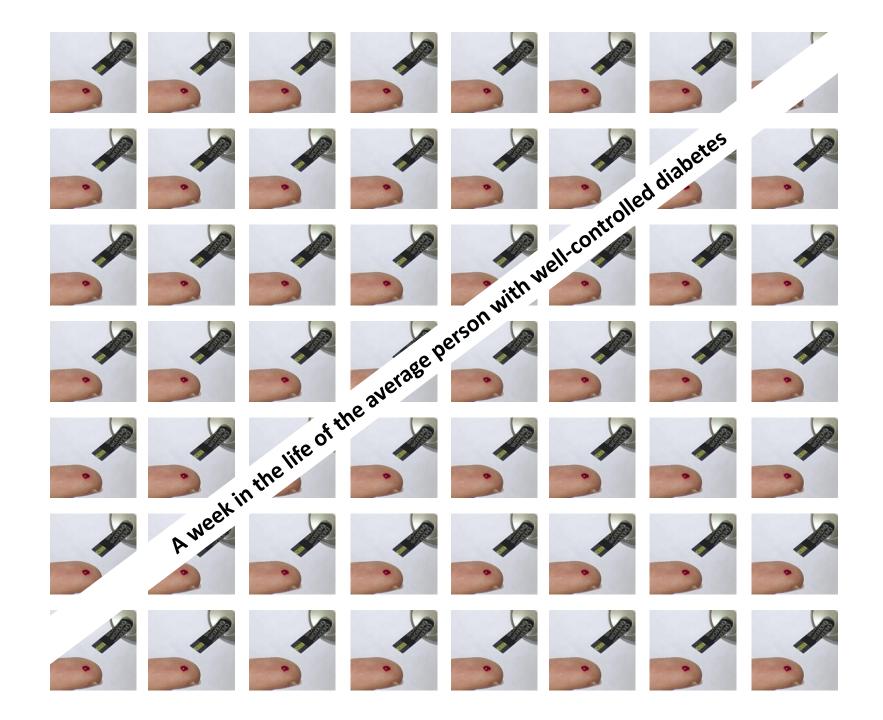
- Improving recording of key data (DKA / hypo)
- Improving usability
- Paediatric specific measures in SDS
- Survey of diabetes resources across Scotland
- Know the numbers
- Transition policy / Making connections
- DKA prevention

T1 Subgroup CSII and CGM

Year Patients (n) On Pump n Patients 2016 3013 1035 34.4 27	s (n) On F	Pump %	Patients (n)	On P n	
n %		%	Patients (n)	n	0/
2016 3013 1035 34.4 27					%
	7859 2306	8.3	30872	3341	10.8
2015 2950 919 31.2 27	7379 1948	7.1	30329	2867	9.5
2014 2953 849 28.8 26	6748 1632	6.1	29701	2481	8.4
2013 2917 659 22.6 26	6394 1188	4.5	29311	1847	6.3

• Big gains in CSII provision

CGM (and SAP) is the next challenge
Training HCPs and patients



Freestyle Libre Role of SDG



?

T1 Subgroup

Supporting innovation

Big changes in our models of delivering care required

• Piloting the 'Clyde Cloud' model...

The game changers How do we respond?





