

Supplementary Figures

Supplementary Table 1: Median and inter-quartile range of HbA1c measurement and % with HbA1c 7.5% or less and greater than 86 mmol/mol by age and sex

Age in years	Males					Females				
	N	% with no HbA1c recorded in audit period	Median (IQR) latest valid HbA1c in audit period (mmol/mol)	% where the latest value in the audit period was 7.5% (58 mmol/mol) or lower*	% where the latest value in the audit period was greater than 10% (86 mmol/mol)*	N	% with no HbA1c recorded in audit period	Median (IQR) latest valid HbA1c in audit period (mmol/mol)	% where the latest value in the audit period was 7.5% (58 mmol/mol) or lower*	% where the latest value in the audit period was greater than 10% (86 mmol/mol)*
5	1,245	5.6%	59 (53-66)	56.6%	2.2%	1,160	6.5%	60 (53-66)	53.8%	2.9%
6	1,560	6.4%	58 (53-65)	59.9%	2.1%	1,515	7.6%	59 (53-65)	57.4%	2.9%
7	1,890	5.8%	59 (53-66)	55.8%	2.6%	1,905	5.2%	59 (53-66)	56.0%	3.1%
8	2,305	5.2%	59.6 (53-67)	55.1%	3.5%	2,270	5.1%	60 (54-67)	51.9%	3.6%
9	2,690	5.0%	60 (54-68)	53.1%	4.0%	2,695	5.0%	61 (54-68)	49.0%	4.8%
10	3,115	4.8%	61 (54-69)	47.2%	5.9%	3,100	4.5%	63 (55-71)	43.8%	7.6%
11	3,455	3.9%	62 (55-71)	44.0%	8.5%	3,410	4.7%	63 (56-73)	40.8%	10.6%
12	3,770	4.5%	64 (56-73)	41.9%	11.3%	3,600	3.9%	63 (55-74)	42.3%	14.3%
13	4,120	4.1%	64 (56-76)	40.9%	16.3%	3,785	3.4%	64 (55-75)	42.9%	16.5%
14	4,420	3.8%	65 (56-77)	40.1%	18.4%	3,865	2.6%	65 (56-78)	40.1%	20.0%
15	4,690	3.9%	66 (56-79)	39.1%	22.0%	3,960	3.9%	66 (57-81)	38.1%	25.0%
16	4,980	5.8%	67 (56-82)	41.9%	29.0%	4,165	4.0%	68 (58-84)	36.3%	30.4%
17	5,365	9.0%	68 (57-85)	37.0%	31.4%	4,455	7.6%	71 (59-88)	32.0%	35.1%
18	5,710	16.2%	70 (58-87)	31.5%	31.3%	4,745	14.0%	74 (61-90.2)	23.7%	35.8%
19	6,060	22.3%	72 (59-89)	24.3%	28.7%	4,905	17.3%	74 (62-92)	19.4%	31.8%
20	6,235	21.7%	72 (59-88)	23.6%	27.5%	5,135	17.3%	74 (62-91)	18.7%	30.3%
21	6,460	22.3%	72 (59-88)	23.7%	27.0%	5,195	16.7%	73 (61-90)	20.1%	29.0%
22	6,585	20.3%	71 (59-87)	24.4%	25.5%	5,410	15.6%	72 (61-88)	21.2%	26.8%
23	6,730	20.8%	71 (59-87)	24.6%	25.8%	5,465	14.5%	71 (60-87)	22.7%	26.0%
24	6,865	20.8%	70 (58-86)	25.8%	24.3%	5,690	15.7%	70 (58-85)	25.3%	23.5%

25	7,075	19.3%	70 (58-86)	27.2%	24.4%	5,780	15.1%	69 (58-84)	25.8%	22.0%
26	7,365	19.4%	69 (57-85)	28.4%	22.5%	5,900	15.2%	68 (58-84)	27.4%	22.1%
27	7,390	19.3%	68 (57-84)	29.0%	21.5%	5,850	14.4%	68 (57-83)	29.1%	20.6%
28	7,420	17.9%	68 (57-83)	28.8%	21.5%	5,855	13.3%	67 (56-81.4)	30.5%	19.8%
29	7,405	18.7%	68 (57-83)	29.6%	21.5%	5,875	13.1%	67 (56-81)	31.6%	18.8%
30	7,610	17.9%	68 (57-83)	28.5%	21.1%	5,840	13.1%	66 (56-82)	31.5%	19.4%

* as a percentage of people with a valid HbA1c recorded

Figure S1: Relative risk of having a HbA1c $\leq 7.5\%$ (58 mmol/mol) by age adjusted for ethnicity, social deprivation and duration of diabetes

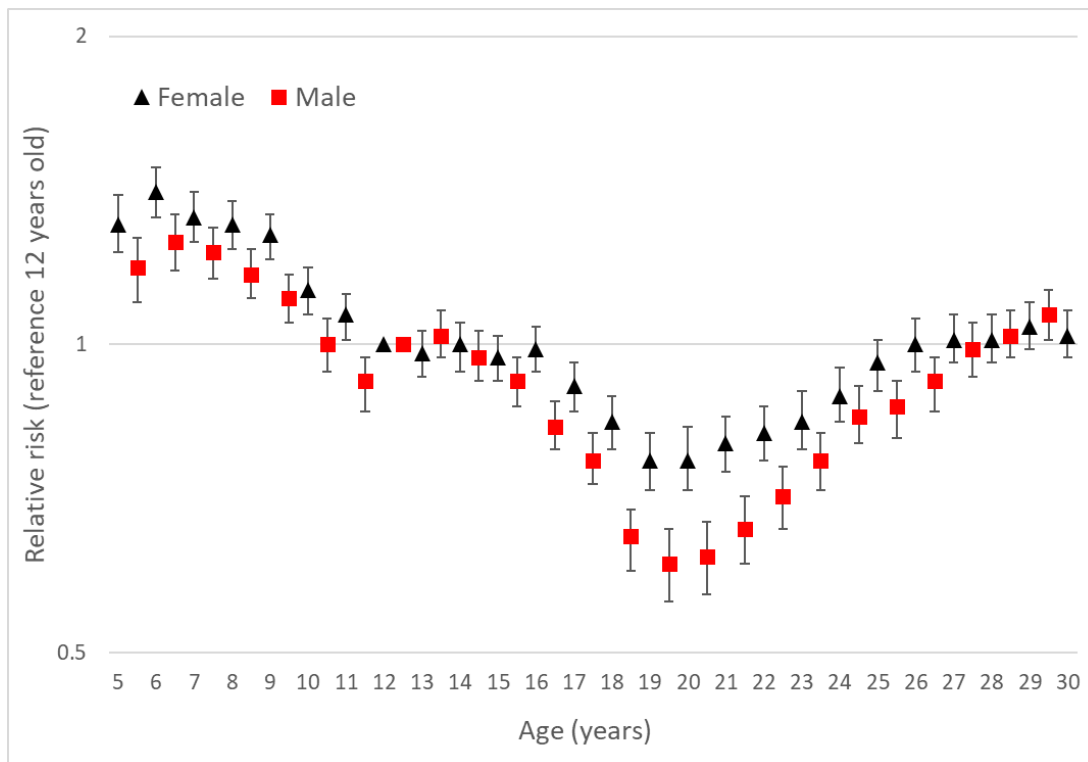


Figure S2: Relative risk of having a HbA1c $> 10\%$ (86 mmol/mol) by age adjusted for ethnicity, social deprivation and duration of diabetes

