

SUPPLEMENTARY DATA

**Supplementary Table 1. The 25-year cumulative incidence of microalbuminuria, macroalbuminuria, ESRD and ESRD/Mortality by duration of diabetes, diagnosis cohort, gender and age at diabetes onset**

Diagnosis	Microalbuminuria			Macroalbuminuria			ESRD			ESRD/Mortality		
	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value
<b>20 years' diabetes duration</b>												
Men												
AON (yrs)												
<6	--	45.3 (29/64)		--	10.8 (7/65)		11.0 (8/73)	0.0	0.003	20.2 (16/79)	2.6 (2/77)	0.0006
6 – 11/12	--	61.0 (50/82)		--	31.2 (25/80)		17.4 (15/86)	4.0 (4/100)	0.002	26.9 (25/93)	8.7 (9/103)	0.0008
≥ 11/12		56.0 (28/50)			28.6 (14/49)		27.8 (10/36)	11.1 (7/63)	0.03	35.9 (14/39)	15.6 (10/64)	0.02
p-value <sub>AON</sub>		0.16			0.01		0.09	0.006		0.19	0.02	
Women												
AON (yrs)												
<6	--	41.9 (18/43)		--	13.6 (6/44)		2.2 (1/45)	1.6 (1/64)	1.00	16.7 (8/48)	2.9 (2/68)	0.009
6 – 11/12	--	63.9 (55/86)		--	36.1 (30/83)		14.3 (12/84)	7.5 (8/107)	0.13	24.1 (21/87)	7.21 (8/111)	0.0008
≥ 11/12		51.5 (35/68)			34.3 (23/67)		16.7 (7/42)	8.6 (7/81)	0.23	22.7 (10/44)	11.0 (9/82)	0.08
p-value <sub>AON</sub>		0.05			0.02		0.07	0.16		0.59	0.17	
p-value <sup>*</sup>		0.72			0.65		0.15	0.46		0.62	1.00	
p-value <sup>†</sup>		0.69			0.51		0.57	0.28		0.67	0.68	
p-value <sup>‡</sup>		0.63			0.51		0.24	0.62		0.19	0.41	
<b>30 years' diabetes duration</b>												
Men												
AON (yrs)												
<6	61.0 (25/41)	67.2 (39/58)	0.52	41.9 (18/43)	21.7 (10/46)	0.04	27.3 (18/66)	1.6 (1/64)	<0.0001	41.0 (32/78)	12.7 (9/71)	0.0001
6 – 11/12	82.9 (34/41)	71.2 (57/80)	0.16	60.9 (28/46)	46.6 (34/73)	0.13	44.7 (34/76)	14.9 (13/87)	<0.0001	55.9 (52/93)	23.7 (23/97)	<0.0001
≥ 11/12	76.9 (10/13)	69.8 (30/43)	0.74	71.4 (10/14)	47.4 (18/38)	0.12	53.1 (17/32)	17.0 (9/53)	0.0005	59.0 (23/39)	25.4 (15/59)	0.0008

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Diagnosis	Microalbuminuria			Macroalbuminuria			ESRD			ESRD/Mortality		
	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value
p-value <sub>AON</sub>	0.07	0.88		0.08	0.01		0.02	0.01		0.08	0.13	
<b>Women</b>												
AON (yrs)												
<6	56.0 (14/25)	61.9 (26/42)	0.63	29.6 (8/27)	24.3 (9/37)	0.64	23.7 (9/38)	8.5 (5/59)	0.04	37.5 (18/48)	14.1 (9/64)	0.004
6 – 11/12	56.8 (25/44)	80.3 (61/76)	0.006	29.2 (14/48)	50.0 (33/66)	0.03	28.6 (20/70)	20.2 (20/99)	0.21	44.2 (38/86)	25.0 (26/104)	0.005
≥ 11/12	60.9 (14/23)	64.1 (41/64)	0.79	39.1 (9/23)	39.7 (23/58)	0.97	33.3 (13/39)	20.5 (15/73)	0.14	43.2 (19/44)	27.8 (22/79)	0.08
p-value <sub>AON</sub>	0.93	0.04		0.68	0.04		0.64	0.11		0.74	0.12	
p-value <sup>*</sup>	0.69	0.58		0.30	0.78		0.69	0.10		0.69	0.81	
p-value <sup>†</sup>	0.009	0.19		0.002	0.69		0.04	0.35		0.12	0.83	
p-value <sup>‡</sup>	0.47	0.54		0.06	0.45		0.09	0.61		0.15	0.75	
<b>40 years' diabetes duration</b>												
<b>Men</b>												
AON (yrs)												
<6	73.5 (36/49)	85.7 (36/42)	0.15	58.7 (27/46)	53.8 (14/26)	0.69	46.0 (29/63)	12.8 (5/39)	0.0005	56.4 (44/78)	26.1 (12/46)	0.001
6 – 11/12	87.5 (42/48)	83.3 (40/48)	0.56	73.9 (34/46)	66.7 (26/39)	0.47	56.3 (40/71)	33.3 (15/45)	0.02	65.6 (61/93)	46.3 (25/54)	0.02
≥ 11/12	92.9 (13/14)	80.0 (24/70)	0.40	76.9 (10/13)	60.0 (15/25)	0.47	65.5 (19/29)	32.1 (9/28)	0.01	71.0 (27/38)	52.6 (20/38)	0.10
p-value <sub>AON</sub>	0.12	0.81		0.25	0.58		0.19	0.07		0.25	0.03	
<b>Women</b>												
AON (yrs)												
<6	73.3 (22/30)	75.0 (21/28)	0.88	42.9 (12/28)	38.1 (8/21)	0.74	35.1 (13/37)	11.1 (4/36)	0.02	50.0 (24/48)	22.5 (9/40)	0.008
6 – 11/12	79.6 (39/49)	91.3 (42/46)	0.11	40.9 (18/44)	66.7 (24/36)	0.02	41.3 (26/63)	32.0 (16/50)	0.31	55.8 (48/86)	39.3 (22/56)	0.05
≥ 11/12	70.8 (17/24)	69.4 (25/36)	0.91	57.1 (12/21)	48.4 (15/31)	0.54	50.0 (18/36)	36.1 (13/36)	0.23	63.6 (28/44)	47.6 (20/42)	0.13
p-value <sub>AON</sub>	0.67	0.04		0.45	0.09		0.43	0.03		0.42	0.06	
p-value <sup>*</sup>	0.99	0.26		0.19	0.28		0.29	1.00		0.48	0.70	

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Diagnosis	Microalbuminuria			Macroalbuminuria			ESRD			ESRD/Mortality		
	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value	1950-64	1965-80	p-value
p-value <sup>†</sup>	0.29	0.25		0.001	1.00		0.08	0.89		0.18	0.46	
p-value <sup>‡</sup>	0.22	0.33		0.29	0.39		0.21	0.74		0.48	0.65	
<b>50 years' diabetes duration</b>												
Men												
AON (yrs)												
<6	83.0 (39/47)	--		69.2 (27/39)	--		57.6 (34/59)	--		71.4 (55/77)	--	
6 – 11/12	93.6 (44/47)	--		83.3 (35/42)	--		69.3 (43/62)	--		80.9 (72/89)	--	
≥ 11/12	100.0 (13/13)			100.0 (10/10)			78.6 (22/28)			86.1 (31/36)		
p-value <sub>AON</sub>	0.14			0.08			0.13			0.15		
Women												
AON (yrs)												
<6	82.1 (23/28)	--		59.1 (13/22)	--		45.7 (16/35)	--		63.8 (30/47)	--	
6 – 11/12	88.9 (40/45)	--		58.8 (20/34)	--		54.5 (30/55)	--		71.8 (56/78)	--	
≥ 11/12	85.0 (17/20)			75.0 (12/16)			66.7 (20/30)			78.6 (33/42)		
p-value <sub>AON</sub>	0.73			0.50			0.24			0.31		
p-value <sup>*</sup>	0.93			0.42			0.26			0.38		
p-value <sup>†</sup>	0.48			0.02			0.10			0.17		
p-value <sup>‡</sup>	0.26			0.14			0.31			0.39		

AON, Age at type 1 diabetes onset

\* p-value for differences by gender among those diagnosed before 6 years of age

† p-value for differences by gender among those diagnosed at 6 - < 11 (boys) or 12 (girls) years of age

‡ p-value for differences by gender among those diagnosed at or after 11 (boys) or 12 (girls) years of age