

ON-LINE APPENDIX Table 1. Risk of death(all-cause) in Intensive vs Standard Glycemia within Demographic Categories

	Intensive Glycemia			Standard Glycemia			Hazard Ratio	Lower 95% CI	Upper 95% CI	P-value w/in subgroup	P-value interaction
	N	# Deaths	% Deaths	N	# Deaths	% Deaths					
Overall	5128	257	5.01%	5123	203	3.96%	1.217	1.012	1.463	0.0368	
AGE											
Age < 65	3397	125	3.68%	3382	87	2.57%	1.387	1.054	1.824	0.0194	
Age 65-69	938	57	6.08%	947	46	4.86%	1.233	0.835	1.821	0.2914	
Age 70-74	516	40	7.75%	537	38	7.08%	1.014	0.649	1.586	0.9506	
Age 75+	277	35	12.64%	257	32	12.45%	0.901	0.554	1.466	0.6753	0.4049
SEX											
Women	1983	75	3.78%	1969	57	2.89%	1.233	0.873	1.741	0.2340	
Male	3145	182	5.79%	3154	146	4.63%	1.210	0.973	1.504	0.0870	0.9169
HOME STATUS											
Live Alone	1031	56	5.43%	1047	50	4.78%	1.086	0.741	1.593	0.6711	
Live With Others	4096	201	4.91%	4075	153	3.75%	1.254	1.016	1.548	0.0350	0.5679
RACE											
Caucasian	3194	178	5.57%	3199	141	4.41%	1.217	0.975	1.518	0.0819	
Hispanic	358	10	2.79%	380	16	4.21%	0.602	0.272	1.328	0.2085	
Afr-American	996	52	5.22%	956	29	3.03%	1.597	1.013	2.518	0.0440	
Asian/Other	580	17	2.93%	588	17	2.89%	1.055	0.537	2.073	0.8755	0.2139
CLINICAL CENTER NETWORK											
Canadian	752	39	5.19%	755	28	3.71%	1.330	0.818	2.164	0.2502	
Western	863	35	4.06%	877	32	3.65%	1.088	0.673	1.758	0.7307	
Minn/Iowa	623	26	4.17%	619	22	3.55%	1.162	0.658	2.051	0.6049	
Ohio/MI	785	33	4.2%	784	27	3.44%	1.185	0.712	1.973	0.5134	
Northeast	608	32	5.26%	610	24	3.93%	1.266	0.745	2.150	0.3834	
Southeast	775	36	4.65%	775	23	2.97%	1.446	0.856	2.443	0.1678	
VA Network	722	56	7.76%	703	47	6.69%	1.101	0.747	1.623	0.6271	0.9828
BODY MASS INDEX											
BMI < 30	1918	92	4.8%	1901	81	4.26%	1.095	0.811	1.477	0.5540	
BMI 30-34	1675	77	4.6%	1690	72	4.26%	1.046	0.758	1.443	0.7841	
BMI 35+	1532	87	5.68%	1529	49	3.2%	1.700	1.197	2.413	0.0030	0.0778
WAIST CIRCUMFERENCE (CM)											
Waist Circ < 96.69	1275	52	4.08%	1271	47	3.7%	1.073	0.723	1.593	0.7270	
Waist Circ 96.69-106.60	1225	46	3.76%	1253	52	4.15%	0.872	0.586	1.297	0.4977	
Waist Circ 106.60-116	1277	64	5.01%	1286	51	3.97%	1.214	0.840	1.756	0.3019	
Waist Circ >116	1297	88	6.78%	1267	49	3.87%	1.661	1.171	2.357	0.0045	0.1003
EDUCATION											

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Educ: < HS	804	47	5.85%	717	43	6%	0.912	0.602	1.379	0.6612	
Educ: HS grad	1338	75	5.61%	1366	61	4.47%	1.215	0.866	1.704	0.2591	
Educ: some college/tech	1673	81	4.84%	1684	56	3.33%	1.412	1.004	1.987	0.0473	
Educ: college grad or more	1309	53	4.05%	1353	43	3.18%	1.192	0.797	1.784	0.3924	0.4465
YEAR RANDOMIZED INTO THE STUDY											
Rand 2001	597	62	10.39%	577	57	9.88%	0.988	0.689	1.418	0.9485	
Rand 2003	1573	96	6.1%	1591	76	4.78%	1.252	0.926	1.692	0.1440	
Rand 2004	1601	69	4.31%	1591	39	2.45%	1.715	1.158	2.539	0.0071	
Rand 2005	1357	30	2.21%	1364	31	2.27%	0.909	0.549	1.507	0.7128	0.1698

ON-LINE APPENDIX Table 2. Risk of death(all-cause) in Intensive vs Standard Glycemia w/in Medical History

	Intensive Glycemia			Standard Glycemia			Hazard Ratio	Lower 95% CI	Upper 95% CI	P-value w/in subgroup	P-value interaction
	N	# Deaths	% Deaths	N	# Deaths	% Deaths					
Overall	5128	257	5.01%	5123	203	3.96%	1.217	1.012	1.463	0.0368	
PRIOR CARDIOVASCULAR DISEASE											
Prior CVD: Yes	1825	139	7.62%	1783	101	5.66%	1.286	0.995	1.663	0.0542	
Prior CVD: No	3303	118	3.57%	3340	102	3.05%	1.145	0.878	1.492	0.3183	0.5327
PRIOR HEART FAILURE/CHF											
Prior Heart Failure/CHF	249	35	14.06%	245	25	10.2%	1.040	0.619	1.748	0.8824	
No Prior Heart Failure/CHF	4836	219	4.53%	4835	169	3.5%	1.261	1.032	1.541	0.0236	0.7061
DIABETES DURATION (years)											
Diab Dur 0-5	1474	64	4.34%	1455	62	4.26%	0.969	0.683	1.375	0.8601	
Diab Dur 6-10	1472	68	4.62%	1459	46	3.15%	1.392	0.957	2.024	0.0837	
Diab Dur 11-15	971	42	4.33%	987	33	3.34%	1.216	0.770	1.920	0.4023	
Diab Dur 16+	1163	80	6.88%	1178	61	5.18%	1.352	0.968	1.888	0.0765	0.4461
SELF-REPORTED HISTORY OF NEUROPATHY/NERVE PROBLEMS											
Hist of Neuropathy:Yes	1327	104	7.84%	1410	58	4.11%	1.950	1.414	2.690	<.0001	
Hist of Neuropathy:No	3708	152	4.1%	3646	140	3.84%	0.999	0.794	1.258	0.9957	0.0008
PERIPHERAL NEUROPATHY ON FOOT EXAM											
PeriNeuro on Exam:Yes	2168	144	6.64%	2189	117	5.34%	1.195	0.936	1.526	0.1524	
PeriNeuro on Exam:No	2955	113	3.82%	2923	86	2.94%	1.246	0.941	1.649	0.1253	0.8386
RETINAL SURGERY											
Retinal Surgery:Yes	563	40	7.1%	608	43	7.07%	0.995	0.647	1.531	0.9824	
Retinal Surgery:No	4511	212	4.7%	4460	158	3.54%	1.266	1.030	1.556	0.0251	0.3008
VISUAL ACUITY SCORE											
VisAcuity: <20/40	1163	83	7.14%	1174	69	5.88%	1.188	0.863	1.636	0.2902	
VisAcuity: 20/20-20/40	2958	138	4.67%	2990	112	3.75%	1.196	0.932	1.535	0.1600	
VisAcuity: >=20/20	759	18	2.37%	751	11	1.46%	1.581	0.745	3.359	0.2330	0.8046
SMOKING STATUS											
Never Smoker	2116	71	3.36%	2166	60	2.77%	1.170	0.829	1.651	0.3711	
Former Smoker	2276	141	6.2%	2251	100	4.44%	1.361	1.053	1.759	0.0186	
Current Smoker	730	43	5.89%	699	43	6.15%	0.883	0.578	1.350	0.5660	0.949
HISTORY OF DEPRESSION											
HistDepr:Yes	1196	57	4.77%	1225	54	4.41%	1.040	0.716	1.512	0.8357	
HistDepr:No	3897	196	5.03%	3868	145	3.75%	1.290	1.041	1.600	0.0200	0.3831

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	N	# Deaths	% Deaths	N	# Deaths	% Deaths	Hazard Ratio	Lower 95% CI	Upper 95% CI	P-value w/in subgroup	P-value interaction
SYSTOLIC BLOOD PRESSURE											
SBP < 135	2435	121	4.97%	2435	90	3.7%	1.306	0.994	1.717	0.0556	
SBP 135+	2668	135	5.06%	2668	112	4.2%	1.139	0.886	1.463	0.3103	0.204
BASELINE ECG DETECTION OF PRIOR MI											
No prev MI on ECG	4396	220	5%	4392	172	3.92%	1.235	1.012	1.508	0.0380	
Prev MI on ECG	226	12	5.31%	250	17	6.8%	0.682	0.324	1.434	0.3125	0.1251
ANY MAJOR ABNORMALITY ON BASELINE ECG											
No abnormality on ECG	3443	137	3.98%	3455	113	3.27%	1.180	0.919	1.514	0.1937	
Major abnormality on ECG	1161	93	8.01%	1166	75	6.43%	1.176	0.866	1.595	0.2988	0.9921
ANY PRIOR AMPUTATION											
Prior Amputation	91	11	12.09%	94	10	10.64%	1.249	0.519	3.009	0.6200	
No Amputation	5037	246	4.88%	5029	193	3.84%	1.222	1.012	1.476	0.0370	0.9253

ON-LINE APPENDIX Table 4. Risk of death(all-cause) in Intensive vs Standard Glycemia w/in Baseline Lab Values

	Intensive Glycemia			Standard Glycemia			Hazard Ratio	Lower 95% CI	Upper 95% CI	P-value w/in subgroup	P-value interaction
	N	# Deaths	% Deaths	N	# Deaths	% Deaths					
Overall	5128	257	5.01%	5123	203	3.96%	1.226	1.020	1.474	0.0301	
A1c											
Hba1c < 7.5	1036	50	4.83%	1022	45	4.4%	1.000	0.667	1.497	0.9982	
Hba1c 7.5 to 8.4	2226	93	4.18%	2200	90	4.09%	1.001	0.749	1.338	0.9936	
Hba1c 8.5+	1857	114	6.14%	1887	68	3.6%	1.644	1.217	2.220	0.0012	0.0444
LDL											
LDL < 100	2447	121	4.94%	2498	101	4.04%	1.204	0.924	1.568	0.1695	
LDL 100-119	1146	54	4.71%	1067	34	3.19%	1.445	0.940	2.221	0.0932	
LDL 120+	1508	82	5.44%	1525	65	4.26%	1.183	0.854	1.639	0.3132	0.793
TRIGLYCERIDES											
TRIG < 300	4435	225	5.07%	4448	176	3.96%	1.234	1.013	1.503	0.0370	
TRIG 300+	666	32	4.8%	642	24	3.74%	1.267	0.746	2.151	0.3813	0.9746
HDL											
HDL < 34	1182	81	6.85%	1164	58	4.98%	1.335	0.953	1.871	0.0934	
HDL 34-39	1318	59	4.48%	1291	45	3.49%	1.207	0.819	1.781	0.3419	
HDL 40-47	1307	67	5.13%	1322	51	3.86%	1.273	0.884	1.833	0.1950	
HDL 48+	1294	50	3.86%	1313	46	3.5%	1.098	0.735	1.639	0.6479	0.8964
SERUM CREATININE											
SCreat 0.1-1	3928	171	4.35%	3928	134	3.41%	1.236	0.986	1.550	0.0664	
Screat >1	1173	86	7.33%	1161	66	5.68%	1.231	0.893	1.698	0.2044	0.9847
CALCULATED MDRD GFR											
GFR 15.3-75.3	1301	88	6.76%	1242	67	5.39%	1.178	0.856	1.620	0.3150	
GFR 75.4-89.5	1256	51	4.06%	1288	53	4.11%	0.939	0.639	1.380	0.7479	
GFR 89.6-105.1	1268	60	4.73%	1293	43	3.33%	1.393	0.941	2.063	0.0980	
GFR 105.2+	1276	58	4.55%	1266	37	2.92%	1.533	1.015	2.318	0.0425	0.3014
ALBUMIN TO CREATININE RATIO											
AlbCreatRatio < 30	3504	130	3.71%	3494	114	3.26%	1.115	0.867	1.435	0.3950	
AlbCreatRatio 30-300	1260	89	7.06%	1241	59	4.75%	1.399	1.006	1.946	0.0461	
AlbCreatRatio > 300	330	36	10.91%	343	29	8.45%	1.156	0.706	1.891	0.5645	0.548