SUPPLEMENTARY DATA

Supplementary Table 1. Baseline Characteristics, Retinopathy Severity and Incident ACCORD Outcomes

Retinopathy Level	**None**	**Mild NPDR**	**Moderate NPDR**	**Severe NPDR/PDR**	**P**
N	1628	1415	224	166	
Age (yrs)	61.5 (6.3)	62.0 (6.7)	61.3 (6.4)	61.1 (6.3)	0.77
Females	631 (38.8)	558 (39.4)	74 (33.0)	53 (31.9)	0.08
Baseline A1C (%)	8.1 (1.0)	8.3 (1.0)	8.5 (1.2)	8.7 (1.2)	<0.0001
Baseline SBP (mm)	132.5 (16.1)	135.6 (17.5)	136.3 (16.4)	141.3 (18.0)	<0.0001
Baseline LDL (mg %)	101.2 (32.6)	99.7 (32.6)	101.7 (33.9)	101.9 (31.2)	0.87
Outcomes During ACCORD					
ACCORD Primary Outcome	88 (5.4)	114 (8.1)	27 (12.1)	22 (13.3)	<0.0001
Fatal/Nonfatal MI	60 (3.7)	82 (5.8)	20 (8.9)	12 (7.2)	0.0002
Fatal/ Nonfatal Stroke	14 (0.9)	20 (1.4)	5 (2.2)	9 (5.4)	<0.0001
Hazard Ratios for Retinopathy Stage					
ACCORD Primary	1	1.49 (1.12, 1.97)	2.18 (1.42, 3.37)	2.35 (1.47, 3.76)	0.0001
Fatal or Nonfatal MI	1	1.55 (1.11, 2.16)	2.35 (1.42, 3.91)	1.84 (0.99,3.42)	0.0036
Fatal or Nonfatal Stroke	1	1.69 (0.85, 3.35)	2.42 (0.87, 6.73)	5.57 (2.40, 12.96)	0.0030

Continuous variables are recorded as means (SD) and counts as N (%). NPDR – nonproliferative diabetic retinopathy; PDR – proliferative diabetic retinopathy; Hazard ratios are calculated from Cox models adjusted for the site network, CV event prior to randomization (i.e. secondary prevention), BP trial, intensive glycemia group, intensive blood pressure group, fibrate group; outcomes could have occurred at any time after randomization until the end of ACCORD follow-up.

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Supplementary Table 2. Hazard (95%CI) of Severity of Diabetic Retinopathy at the Follow-up visit for Each Outcome

Independent Effect of Retinopathy Severity at 4 years	ACCORD Primary	Fatal or Nonfatal MI	Fatal or Nonfatal Stroke
None	1	1	1
Mild NPDR	1.75 (1.14, 2.70)	1.47 (0.93, 2.32)	4.70 (1.24, 17.8)
Moderate NPDR	2.56 (1.33, 4.93)	2.15 (1.05, 4.40)	9.03 (1.67, 48.8)
Severe NPDR/PDR	2.04 (0.99, 4.18)	1.88 (0.86, 4.12)	4.11 (0.64, 26.3)
P (Diff Across Stage)	0.0252	0.19	0.0390
HR Per Level	1.30 (1.04, 1.62)	1.27 (0.99, 1.62)	1.45 (0.87, 2.44)

Cox model adjusted for the baseline severity of retinopathy, clinical center network, CV event prior to randomization (i.e. secondary prevention), BP trial, intensive glycemia group, intensive blood pressure group, fibrate group; outcomes could have occurred at any time after randomization until the end of ACCORD follow-up