

Appendix D: Clinical Trials for Aims 2 and 3

Appendix D Table 3. Clinical trial databases used as External Validation of Population Sample CPMs.

Trial	Sample size, enrollment years	Locations	Population	Baseline Characteristics	Selected baseline medications	Intervention	Outcome	Effect size	Follow up Duration	Outcome events
ACCORD ¹⁵	N=10251, 2001-2005	77 sites in US and Canada	type 2 DM	Mean age 62.2 Mean BMI 32.3 kg/m ² Median HbA1c 8.1% 38% female 59% smoking hx 35% CVD hx	Insulin: 35% Metformin: 60% Antihypertensive: 85%	Intensive therapy (target HbA1c < 6%) vs standard therapy (target HbA1C 7–7.9%)	Composite of CV death, nonfatal MI, or nonfatal stroke	Intensive vs standard therapy: HR 0.9 (95% CI 0.78–1.04)	3.5 yrs	Intensive therapy: 6.9% Standard therapy: 7.2%
ALLHAT-HTN ¹⁶	N=33357, 1994-1998	623 sites in North America	HTN, CVD risk	Mean age 67 Mean BMI 30 kg/m ² 47% female 36% DM 22% current smoker 52% CVD hx	Aspirin: 36%	Chlorthalidone vs Amlodipine vs Lisinopril	Composite of CHD death or nonfatal MI	Amlodipine vs Chlorthalidone : RR 0.98 (95% CI 0.9–1.7); Lisinopril vs Chlorthalidone : RR 0.99 (95% CI 0.91–1.08)	4.9 yrs	Chlorthalidone: 8.9% Amlodipine: 8.8% Lisinopril: 8.8%
ALLHAT-LLT ¹⁷	N=10355, 1994-1998	513 sites in North America	HTN	Mean age 66 Mean BMI 30 kg/m ² 49% female 35% DM 23% current smoker 14% CVD hx	Aspirin: 31%	Pravastatin vs usual care	All-cause mortality	Pravastatin vs usual care: RR 0.99 (95% CI 0.89–1.11)	4.8 yrs	Pravastatin: 14.9% Usual care: 15.3%
WHI ¹⁸	N=16608, 1993-1998	40 sites in US	Women aged 50–79	Mean age 63 Mean BMI 28.5 kg/m ² 4.5% DM 50% smoking hx 3% angina hx	Aspirin: 20% Statin: 7%	HRT vs placebo	Composite of CHD death or nonfatal MI	HRT vs placebo HR: 1.29 (95% CI 1.02–1.63)	5.2 yrs	HRT: 0.37% Placebo: 0.3%

BMI, body mass index; Cr, creatinine; CHD, coronary heart disease; CVD, cardiovascular disease; DM, diabetes mellitus; HRT, hormone replacement therapy; HTN, hypertension; hx, history; LDL, low-density lipoprotein; HbA1c, hemoglobin A1C; MI, myocardial infarction; CV, cardiovascular; yrs, years.