



**Supplementary Figure 1 Literature search flow diagram for the comparison of incidence and prognosis of coronary disease between South Asian and White populations**

*Supplementary tables*

**Supplementary Table 1** Systematic review of studies on incidence of coronary disease in South Asian compared to White populations

<b>Study</b>	<b>Setting</b>	<b>Design and recruitment time</b>	<b>N (men/women)</b>	<b>Participants with diabetes (%)</b>	<b>Age</b>	<b>Length of follow-up in years/outcome</b>	<b>Number of events (S. Asian/White)</b>
Zaman (2010) Whitehall II study	London, UK	Cohort study of civil servants, 1985-1988	South Asian: 357/223 White: 6309/2886	South Asian:3.8 White:0.7	South Asian 45.65 (5.7) White 44.31 (6.1) Mean (SD)	18 (maximum)/coronary death and non-fatal MI and angina	21/80 (death) 104/1127 (non-fatal MI and angina)
Forouhi (2006)	West London, UK	Cohort study of healthy men aged 40-69 from general practice lists 1988	South Asian: 1420/nil White: 1787/nil	South Asian:35.4 White:19.6	South Asian 51.2 (7.0) White 52.9 (7.1) Mean (SD)	16.2 (median)/Coronary death	108/95
Patel (2008)	West Midlands, UK	Cohort study of patients with hypertension, community survey 1998-2000	South Asian: 69/35 White: 293/57	South Asian:42.3 White:19.4	South Asian 57.1 (11.1) White 63.7 (7.6) Mean (SD)	5.4 (mean) /fatal or first non-fatal MI	11/11
Mather (1998)	West London, UK	Cohort study of patients with diabetes, aged 30 years and over, community survey, 1984	South Asian: 414(m+w) White: 120 (m+w) (survivors to follow-up)	100%	South Asian 55.0 White 67.0 Mean	11 (maximum)/non-fatal MI	82/9
Khattar (2000)	London, UK	Cohort study of patients with hypertension, district hospital, 1979-1993	South Asian: 83/22 White: 327/202	South Asian:17.0 White:5.0	South Asian 46.3 (9.0) White 52.2 (10.9) Mean (SD)	9.2 (median)/coronary event*	24/66
Bellary (2010) Asian Diabetes	Coventry and Birmingham, UK	Cohort study of patients with type 2 diabetes,	South Asian: 1486 White: 492	All	South Asian 57.0 (11.9) White: 64.8	2 (maximum)/cardiovascular	46/20

Study		community-based, 2004-2007			(11.6) Mean (SD)	deaths and non fatal cardiovascular events	
Fischbacher (2007)	Scotland, UK	Census data, 2001-2003	South Asian: 9706/9285 White: 1,464,458/1,709,148	Not known	All of population over 25.	2 (maximum)/fatal or first non-fatal MI	126 (38 women)/30978 (13276 women)
U.K. Prospective Diabetes Study 32 (UKPDS 32) (1998)	UK	Cohort study of patients with new type 2 diabetes, aged 25-65 years, from 23 clinics, 1977-91	South Asian: 336/154 White: 2367/1734	All	South Asian 47.0 White 52.2 Mean	8.7 (median)/fatal or first non-fatal MI	61/771
Nijjar (2010)	British Columbia, Canada	Retrospective cohort study of routinely collected hospital administrative discharge data, 1994-2003	South Asian: 43790/44175 White: 909870/978735	unknown	All of population over 35	7/MI	1944/32084

MI - myocardial infarction; m+w - men and women combined; \*coronary death (myocardial infarction or ischaemia, ventricular fibrillation, and cardiac failure), nonfatal myocardial infarction, coronary artery bypass graft surgery or percutaneous transluminal coronary angioplasty)

**Supplementary Table 2** Systematic review of studies on prognosis of coronary disease in South Asian compared to White populations

Study		Design, setting and recruitment time	N (men/women)	Participants with diabetes (%)	Age	Length of follow-up in years/outcome	Number of events (S. Asian/White)
Zaman (2010) Whitehall II study	London, UK	Cohort study of civil servants, with typical angina at baseline, 1985-1988	South Asian: 27/31 White: 308/226	South Asian: 3.5 White: 1.1	South Asian 47.14 (5.0) White 45.90 (6.1) Mean (SD)	18 (maximum)/coronary death	5/17
Zaman (2008) Chest pain clinic	London, UK	Multi-centre cohort study of patients attending a chest pain clinic, 1996 - 2002	South Asian: 1209/980 White: 2929/2676	South Asian: 19.6 White: 6.7	Men: SA: 49.8 (41-59) W: 54.7 (45-65) Women: SA: 50.6 (42-58) W: 57.6 (49-67) Median, IQR	3 (maximum)/coronary death	23/74
Zaman (2008) ACRE study	London, UK	Cohort study of patients undergoing coronary angiography, 1996-1997	South Asian: 391/111 White: 2112/862	South Asian: 31.1 White: 9.7	South Asian 60.9 (10.1) White 55.5 (9.7) Mean (SD)	6 (maximum)/coronary death	31/263
Raghavan 2008	Montreal, Canada	Matched myocardial infarction cohort 1995-2000	South Asian: 65 White: 65	South Asian :43 White: 23	59.7+/-9.9 years (matched)	1 (maximum)/all-cause death	4/1
Hughes et al (1989)	London, UK	Myocardial infarction cohort 1985-1987	South Asian: 23/20 White: 50/20	Not known	South Asian 50.2 (9.0) Whites 55.5 (6.7) Mean age (SD)	1 (maximum)/all-cause death	6/7
Mukhtar et al	Birmingham, UK	Matched	South Asian: 102	South	South Asian	4 (maximum)/	12/10

(1995)		myocardial infarction cohort 1986-1987	White:102	Asian:23.5 White: 14.7	54.0(8.6) White 53.9 (68.5) Mean age (SD)	fatal or first nonfatal MI	
Wilkinson et al (1996)	London, UK	Myocardial infarction cohort 1988-1992	South Asian:129/20 White:259/54	South Asian: 38.3 White:10.9	South Asian 54 (49-59) White 57 (50-60) Median (inter-quartile range)	0.5 (maximum)/all-cause death	49/78
Liew et al (2003)	London, UK	Myocardial infarction cohort 1998-2002	South Asian: 245/58 White: 309/160	Not known	Not known	in-hospital/all-cause death	19/56
Gupta et al (2002)	Canada	Matched myocardial infarction cohort 1994-1999	South Asian: 381/172 White: 381/172	South Asian:43.4 White: 28.2	South Asian 62.6 White 63.0 Mean age	in-hospital (median 6 days)/Coronary death	45/39
Fischbacher (2007)	Scotland, UK	Retrospective myocardial infarction cohort from census data 2001-2003	South Asian: 88/38 White: 17696/13276	Not known	All of population over 25.	2 (maximum)/all-cause death	40/17075
Khan (2010)	Alberta, Canada	Retrospective cohort study design using hospital administrative data of myocardial infarction admissions, (April 1994 to March 2003).	South Asian: 2190 White: 38479	South Asian:29.7 White:17.6	No summary data for age in paper (age-stratified data given)	3.2 (median)/all-cause death	480/11428
MINAP	UK	National registry cohort study of patients	South Asian: 6099/2152 White:	South Asian: 42.4 White: 17.0	South Asian 61.5 (13.2) White 69.4	1 (maximum)/all-cause death	808/34220

		admitted with acute coronary syndrome, 2004-2008	126455/68386		(13.7) Mean (SD)		
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MI - myocardial infarction; CHF- Congestive heart failure