

Ethnic disparities in preventable hospital admissions in England

Supplementary materials

Table S1 ICD10 code list for ACSC conditions adopted from Bardsley et al. (2013)*Acute ACS conditions*

Cellulitis L03, L04, L08, L88, L980, L983
 Dehydration E86
 Dental conditions A690, K02-K06, K08, K098, K099, K12, K13
 Ear, nose and throat infections H66, H67, J02, J03, J06, J312
 Gangrene R02
 Gastroenteritis K522, K528, K529
 Nutritional deficiencies E40-E43, E55, E643
 Pelvic inflammatory disease N70, N73, N74
 Perforated/bleeding ulcer K250-K252, K254-K256, K260-K262, K264-K266, K270-K272, K274-K276, K280-K282, 284-K286
 Urinary tract infection/Pyelonephritis N10, N11, N12, N136, N390

Chronic ACS conditions

Angina I20, I240, I248, I249
 Asthma J45, J46
 Chronic obstructive pulmonary disease J20, J41-J44, J47
 Congestive heart failure I110, I50, J81
 Convulsions and epilepsy G40, G41, O15, R56
 Diabetes complications E100-E108, E110-E118, E120-E128, E130-E138, E140-E148
 Hypertension I10, I119
 Iron deficiency anaemia D501, D508, D509

Vaccine preventable ACS conditions

Influenza J10, J11
 Pneumonia J13, J14, J153, J154, J157, J159, J168, J181, J188
 Tuberculosis A15, A16, A19
 Other vaccine preventable A35-A37, A80, B05, B06, B161, B169, B180, B181, B26, G000, M014

Table S2 Age-, sex-, and deprivation adjusted odds ratios (OR 95% CI) for the combined ACSC outcome. Ethnicity group as recorded by NHS.

Ethnic group	Age-sex adj. OR (95% CI)	p	Age-sex-deprivation adj. OR (95% CI)	p
White British	Ref	-	Ref	-
Asian Other	1.04 (1.02-1.07)	<.001	1.00 (0.98-1.03)	.777
Bangladeshi	1.11 (1.08-1.15)	<.001	0.97 (0.94-1.00)	.027
Chinese	0.49 (0.47-0.52)	<.001	0.47 (0.45-0.49)	<.001
Indian	1.02 (1.00-1.04)	.022	0.96 (0.94-0.98)	<.001
Pakistani	1.70 (1.67-1.72)	<.001	1.50 (1.47-1.52)	<.001
Black African	0.91 (0.89-0.93)	<.001	0.89 (0.87-0.92)	<.001
Black Caribbean	1.01 (0.98-1.03)	.549	0.89 (0.87-0.92)	<.001
Other	1.98 (1.95-2.01)	<.001	1.81 (1.78-1.84)	<.001
White Other	1.15 (1.14-1.17)	<.001	1.12 (1.10-1.13)	<.001
White Irish	0.71 (0.69-0.65)	<.001	0.68 (0.66-0.70)	<.001
Mixed	0.63 (0.62-0.65)	<.001	0.60 (0.59-0.62)	<.001

Figure S1 Incidence odds ratios (OR) of ACSC admission by ethnic group (as recorded by NHS) relative to White British adjusted for age, sex, and area deprivation. Top: Acute ACSC. Middle: Chronic ACSC. Bottom: Vaccine-preventable diseases. Open circles: risk adjusted for age group and sex. Filled circles: adjusted for age group, sex, and area deprivation.

