**1 Peripheral vascular disease**

**2 Ischaemic heart disease including MI and/or HF**

**3 Stroke or TIA**

UK Data collection period: September 2020 - November 2021

**PRIMARY OUTCOME: DEATH vs. peripheral heart disease**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

**Unadjusted**

OR 2.5 % 97.5 %

(Intercept) 0.60 0.54 0.66

Peripheral.Vascular.Disease1 1.47 1.12 1.93

**Model 1: adjusted for age and sex**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 1.26 0.95 1.67

Sex1 1.29 1.05 1.59

Age.At.Admission 1.04 1.04 1.05

**Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 1.14 0.85 1.52

Sex1 1.30 1.05 1.60

Age.At.Admission 1.04 1.04 1.05

Type.Of.Diabetes1 0.76 0.47 1.23

Hypertension1 0.76 0.61 0.94

MicrovascularD 1.33 1.08 1.64

**Model 3: model 2 + ethnicity and BMI**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 1.14 0.85 1.53

Sex1 1.29 1.05 1.60

Age.At.Admission 1.05 1.04 1.06

Type.Of.Diabetes1 0.73 0.45 1.20

BMI 1.00 0.98 1.01

Eth\_groupAsian 1.39 1.02 1.89

Eth\_groupBlack 1.21 0.79 1.84

Eth\_groupOther 0.83 0.56 1.23

Hypertension1 0.74 0.59 0.92

MicrovascularD 1.32 1.07 1.62

**SECONDARY OUTCOME: ICU ADMISSION vs. peripheral heart disease**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

**Unadjusted**

OR 2.5 % 97.5 %

(Intercept) 0.13 0.11 0.16

Peripheral.Vascular.Disease1 0.22 0.10 0.47

**Model 1: adjusted for age and sex**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 0.26 0.12 0.59

Sex1 2.11 1.45 3.06

Age.At.Admission 0.93 0.92 0.94

**Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 0.32 0.14 0.72

Sex1 2.01 1.38 2.91

Age.At.Admission 0.92 0.91 0.94

Type.Of.Diabetes1 1.81 0.85 3.84

Hypertension1 1.75 1.19 2.58

MicrovascularD 0.71 0.49 1.03

**Model 3: model 2 + ethnicity and BMI**

OR 2.5 % 97.5 %

Peripheral.Vascular.Disease1 0.34 0.15 0.77

Sex1 2.35 1.59 3.46

Age.At.Admission 0.94 0.92 0.95

Type.Of.Diabetes1 1.38 0.64 2.97

BMI 1.04 1.01 1.06

Eth\_groupAsian 2.26 1.46 3.51

Eth\_groupBlack 2.94 1.60 5.42

Eth\_groupOther 2.85 1.73 4.71

Hypertension1 1.42 0.95 2.11

MicrovascularD 0.69 0.47 1.01

**PRIMARY OUTCOME: DEATH vs Ischaemic heart disease including MI and/or HF**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

Unadjusted

OR 2.5 % 97.5 %

(Intercept) 0.68 0.59 0.78

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 1.44 1.16 1.78

Model 1: adjusted for age and sex

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 1.13 0.90 1.43

Sex1 1.20 0.96 1.51

Age.At.Admission 1.04 1.03 1.05

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 1.14 0.90 1.43

Sex1 1.22 0.97 1.53

Age.At.Admission 1.04 1.03 1.05

Type.Of.Diabetes1 0.60 0.35 1.02

Hypertension1 0.91 0.72 1.15

MicrovascularD 1.13 0.90 1.41

Model 3: model 2 + ethnicity and BMI

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 1.14 0.90 1.43

Sex1 1.23 0.97 1.56

Age.At.Admission 1.05 1.04 1.06

Type.Of.Diabetes1 0.56 0.33 0.96

BMI 1.01 0.99 1.02

Eth\_groupAsian 1.63 1.12 2.38

Eth\_groupBlack 2.07 1.23 3.46

Eth\_groupOther 0.87 0.54 1.40

Hypertension1 0.87 0.68 1.10

MicrovascularD 1.11 0.89 1.39

**SECONDARY OUTCOME: ICU ADMISSION vs Ischaemic heart disease including MI and/or HF**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

Unadjusted

OR 2.5 % 97.5 %

(Intercept) 0.13 0.11 0.16

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 0.41 0.27 0.63

Model 1: adjusted for age and sex

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 0.62 0.39 0.98

Sex1 1.73 1.12 2.66

Age.At.Admission 0.94 0.92 0.95

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 0.58 0.36 0.93

Sex1 1.70 1.10 2.63

Age.At.Admission 0.93 0.92 0.94

Type.Of.Diabetes1 2.80 1.12 7.03

Hypertension1 1.57 1.01 2.42

MicrovascularD 0.79 0.52 1.19

Model 3: model 2 + ethnicity and BMI

OR 2.5 % 97.5 %

Ischaemic.Heart.Disease..including.MI..and..or.Heart.Failure1 0.56 0.35 0.91

Sex1 2.04 1.29 3.21

Age.At.Admission 0.94 0.93 0.96

Type.Of.Diabetes1 2.19 0.86 5.58

BMI 1.04 1.01 1.07

Eth\_groupAsian 2.17 1.26 3.75

Eth\_groupBlack 3.88 1.95 7.71

Eth\_groupOther 3.01 1.55 5.84

Hypertension1 1.32 0.84 2.07

MicrovascularD 0.76 0.50 1.16

**PRIMARY OUTCOME: DEATH vs Stroke or TIA**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

Unadjusted

OR 2.5 % 97.5 %

(Intercept) 0.58 0.52 0.64

Stroke.or.TIA1 1.80 1.40 2.31

Model 1: adjusted for age and sex

OR 2.5 % 97.5 %

Stroke.or.TIA1 1.39 1.07 1.80

Sex1 1.31 1.07 1.60

Age.At.Admission 1.04 1.03 1.05

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

OR 2.5 % 97.5 %

Stroke.or.TIA1 1.35 1.04 1.76

Sex1 1.31 1.07 1.61

Age.At.Admission 1.04 1.03 1.05

Type.Of.Diabetes1 0.75 0.47 1.20

Hypertension1 0.80 0.64 0.99

MicrovascularD 1.33 1.09 1.62

Model 3: model 2 + ethnicity and BMI

OR 2.5 % 97.5 %

Stroke.or.TIA1 1.37 1.05 1.78

Sex1 1.31 1.07 1.61

Age.At.Admission 1.04 1.03 1.05

Type.Of.Diabetes1 0.72 0.45 1.16

BMI 1.00 0.98 1.01

Eth\_groupAsian 1.40 1.03 1.88

Eth\_groupBlack 1.28 0.85 1.93

Eth\_groupOther 0.81 0.55 1.18

Hypertension1 0.78 0.62 0.97

MicrovascularD 1.31 1.07 1.60

**SECONDARY OUTCOME: ICU ADMISSION vs Stroke or TIA**

Unadjusted

Model 1: adjusted for age and sex

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

Model 3: model 2 + ethnicity and BMI

Unadjusted

OR 2.5 % 97.5 %

(Intercept) 0.14 0.12 0.16

Stroke.or.TIA1 0.18 0.08 0.38

Model 1: adjusted for age and sex

OR 2.5 % 97.5 %

Stroke.or.TIA1 0.33 0.15 0.73

Sex1 1.88 1.31 2.70

Age.At.Admission 0.93 0.92 0.94

Model 2: model 1 + type of diabetes, arterial hypertension and microvascular disease

OR 2.5 % 97.5 %

Stroke.or.TIA1 0.35 0.16 0.77

Sex1 1.82 1.27 2.61

Age.At.Admission 0.93 0.92 0.94

Type.Of.Diabetes1 1.94 0.92 4.10

Hypertension1 1.66 1.14 2.43

MicrovascularD 0.62 0.43 0.89

Model 3: model 2 + ethnicity and BMI

OR 2.5 % 97.5 %

Stroke.or.TIA1 0.41 0.19 0.91

Sex1 2.17 1.49 3.16

Age.At.Admission 0.94 0.93 0.95

Type.Of.Diabetes1 1.43 0.67 3.04

BMI 1.04 1.01 1.06

Eth\_groupAsian 2.38 1.55 3.65

Eth\_groupBlack 2.81 1.54 5.12

Eth\_groupOther 3.09 1.90 5.05

Hypertension1 1.32 0.89 1.95

MicrovascularD 0.61 0.42 0.88