

## ELECTRONIC SUPPLEMENTARY MATERIAL

### ESM Table 1

**Ethnicity groups by census classification.** Definitions of ethnicity groups used in this study and corresponding UK census categories.

<b>Ethnicity group</b>	<b>Census categories included</b>
White	British, Irish, any other White background
Black	Caribbean, African, any other Black background
Asian	Indian, Pakistani, Bangladeshi, Chinese, any other Asian background
Mixed/Other	White and Black Caribbean, White and Black African, White and Asian, any other Mixed background, any other Ethnic group

### ESM Table 2

**Indices of multiple deprivation (IMD).** Indices of multiple deprivation calculated by comparing Lower-layer Super Output Areas to census data in England and placed in deciles.

<b>IMD decile by LSOA</b>	<b><i>n</i></b>	<b>%</b>
1 (most deprived area)	108	6.4
2	651	38.8
3	349	20.8
4	235	14.0
5	157	9.4
6	77	4.6
7	41	2.4
8	33	2.0
9	20	1.2
10 (least deprived area)	5	0.3

IMD, index of multiple deprivation; LSOA, Lower-layer Super Output Area

**ESM Table 3**

**Comparison of the ethnicity profiles by population.** Comparison of the general population of the London Boroughs of Lambeth and Southwark with the South-East London DESP screening population and study population. \* Obtained from 2011 national census (20). \*\* Obtained from 2018 DESP audit (22).

Ethnicity	General population of Lambeth & Southwark*		DESP screening population**		Referred to hospital (study population)	
	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%
Black	156,053	<b>26</b>	6655	<b>44</b>	866	<b>52</b>
White	329,374	<b>56</b>	4675	<b>31</b>	495	<b>30</b>
Asian	48,130	<b>8</b>	1521	<b>10</b>	169	<b>10</b>
Mixed/Other	57,812	<b>10</b>	1089	<b>7</b>	146	<b>9</b>
Not Declared	-	-	1038	<b>7</b>	-	-
<b>Total</b>	<b>591,369</b>		<b>14,978</b>		<b>1676</b>	

DESP, Diabetic Eye Screening Programme

**ESM Table 4**

**Comparison of event rates by ethnicity.** Pearson's chi-squared test probabilities showing no significant difference in observed frequencies by ethnicity.

Event recorded at least once in either eye during the study period	Ethnicity						Pearson's chi-squared test probability
	Black		White		Asian		
	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	
Macular laser	53	<b>6</b>	29	<b>6</b>	8	<b>5</b>	0.983
Anti-VEGF	66	<b>8</b>	37	<b>7</b>	12	<b>7</b>	0.972
PRP laser	65	<b>8</b>	55	<b>11</b>	12	<b>7</b>	0.066
VA loss of $\geq 10$ letters	213	<b>25</b>	112	<b>23</b>	44	<b>26</b>	0.592
Total participants	866		495		169		-

PRP, pan-retinal photocoagulation; VA, visual acuity; VEGF, vascular endothelial growth factor