

## Supplementary Online Content

Bhatnagar A, Skrehot HC, Bhatt A, Herce H, Weng CY. Epidemiology of retinopathy of prematurity in the US from 2003 to 2019. *JAMA Ophthalmol*. Published online April 13, 2023. doi:10.1001/jamaophthalmol.2023.0809

**eTable 1.** *ICD-9* and *ICD-10* Codes for Patient Selection

**eTable 2.** Demographic Risk Factors for ROP Incidence (2003-2019)

**eFigure.** ROP Incidence Across Sexes Between 2003 to 2019

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1. ICD-9 and ICD-10 Codes for Patient Selection**

	<b>ICD-9 Codes (2003-2012)</b>	<b>ICD-10 Codes (2016-2019)</b>
Newborn Births	V30.X V31.X V34.X V39.X	Z38.X
Low Birth Weight (<1,500 g)	765.01 - 765.05 765.11 - 765.15	P07.0X P07.14, P07.15
Premature Birth Week	765.21 - 765.28	P07.2X, P07.3X
Retinopathy of Prematurity	362.20 - 362.27	H35.1X

<sup>a</sup>ICD-9 = International Classification of Diseases codes, version 9. ICD-10 = International Classification of Diseases codes, version 10.

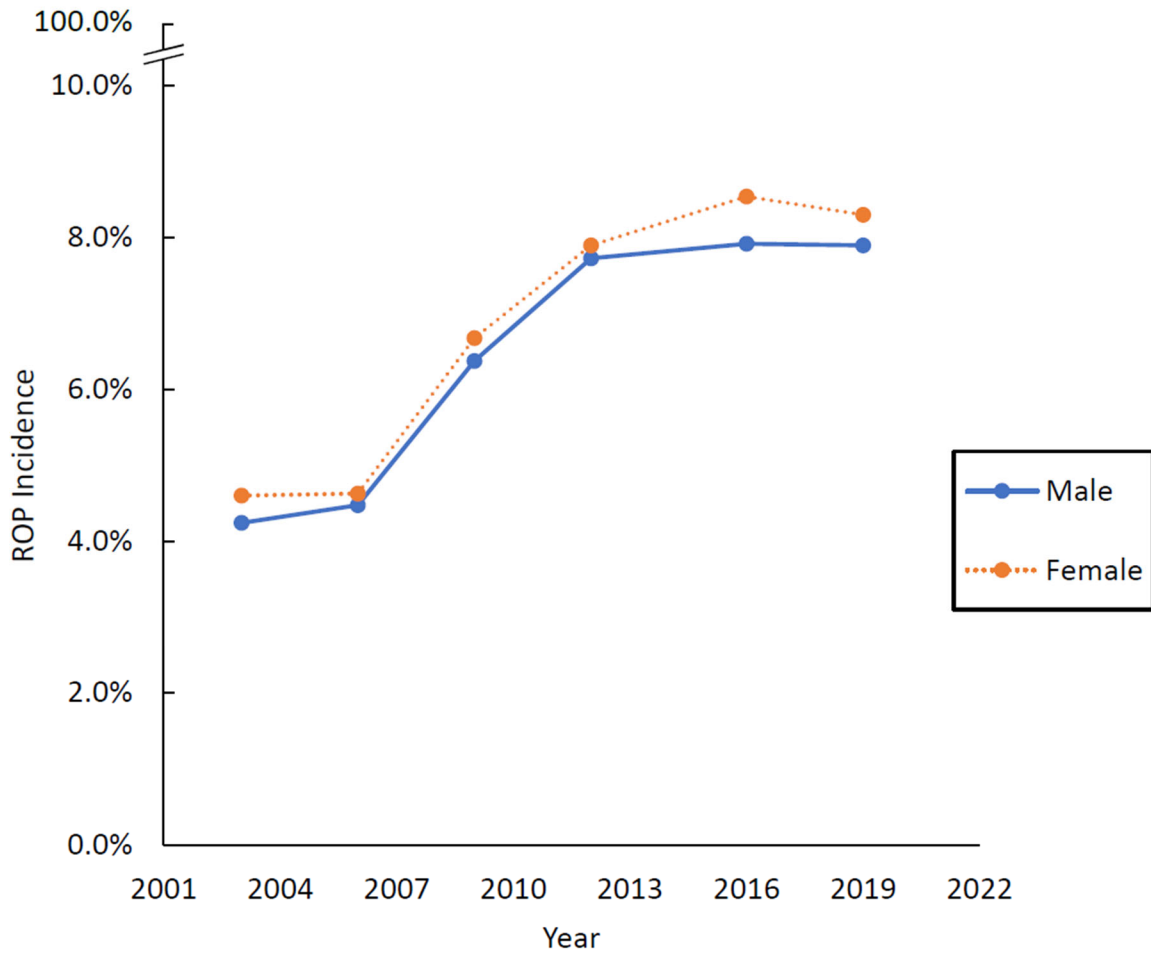
**eTable 2.** Demographic Risk Factors for ROP Incidence (2003-2019)

Population	ROP Patients	
	Odds Ratio (95% CI)	P-value
Database-Reported Gender		
Male	Reference	-
Female	1.05 (1.03, 1.07)	<0.001*
Database-Reported Race		
Asian/Pacific Islander	0.88 (0.86, 0.90)	<0.001*
Black	1.72 (1.70, 1.74)	<0.001*
Hispanic	1.05 (1.03, 1.07)	<0.001*
Native American	0.83 (0.77, 0.89)	<0.001*
White	0.77 (0.76, 0.78)	<0.001*
Other	1.35 (1.31, 1.38)	<0.001*
Region		
Northeast		
Urban	Reference	-
Rural	0.35 (0.31, 0.39)	<0.001*
Midwest		
Urban	1.18 (1.16, 1.20)	<0.001*
Rural	0.42 (0.39, 0.44)	<0.001*
South		
Urban	1.21 (1.20, 1.23)	<0.001*
Rural	0.32 (0.31, 0.34)	<0.001*
West		
Urban	0.98 (0.97, 0.99)	<0.001*
Rural	0.21 (0.18, 0.23)	<0.001*
MHI quartile for patient zip code <sup>a</sup>		
4th quartile	Reference	-
3rd quartile	1.23 (1.22, 1.25)	<0.001*
2nd quartile	1.31 (1.30, 1.33)	<0.001*
1st quartile	1.17 (1.16, 1.18)	<0.001*

<sup>a</sup> MHI = median household income

\* represents statistical significance with  $P \leq 0.05$

**eFigure.** ROP Incidence Across Sexes Between 2003 to 2019



eFigure1 Legend: Males and females experienced similar increases in ROP incidence from 2003 to 2019; females consistently had slightly higher rates of ROP incidence compared with males.