

# Myopia Increases the Risk of Serious, Sight Threatening Complications

Eye Disease	-2.00 D	-4.00 D	-6.00 D	-8.00 D
<b>Myopic Maculopathy<sup>2</sup></b>	2.2 X higher	9.7 X higher	40.6 X higher	126.8 X higher
<b>Retinal Detachment<sup>3</sup></b>	3.1 X higher	9.0 X higher	21.5 X higher	44.2 X higher
<b>PSC Cataract<sup>4</sup></b>	1.6 X higher	3.2 X higher	5.4 X higher	12.3 X higher
<b>Glaucoma<sup>5</sup></b>	1.7 X higher	2.5 X higher	2.5 X higher	N/A

Odds Ratio of Ocular Disease as a Function of Myopia Relative to Emmetropia<sup>1</sup>

## Review of MYOPIA MANAGEMENT

Created by  
**Dwight Akerman, OD, MBA, FAAO, FBCLA**  
Chief Medical Editor  
[www.reviewofmm.com](http://www.reviewofmm.com)

### References

- <sup>1</sup> Flitcroft, D. I. (2012). The complex interactions of retinal, optical and environmental factors in myopia aetiology. *Progress in retinal and eye research*, 31(6), 622-660.
- <sup>2</sup> Vongphanit, J., Mitchell, P., & Wang, J. J. (2002). Prevalence and progression of myopic retinopathy in an older population. *Ophthalmology*, 109(4), 704-711.
- <sup>3</sup> Ogawa, A., & Tanaka, M. (1988). The relationship between refractive errors and retinal detachment--analysis of 1,166 retinal detachment cases. *Japanese journal of ophthalmology*, 32(3), 310-315.
- <sup>4</sup> Chang, M. A., Congdon, N. G., Bykhovskaya, I., Munoz, B., & West, S. K. (2005). The association between myopia and various subtypes of lens opacity: SEE (Salisbury Eye Evaluation) project. *Ophthalmology*, 112(8), 1395-1401.
- <sup>5</sup> Marcus, M. W., de Vries, M. M., Montolio, F. G. J., & Jansonius, N. M. (2011). Myopia as a risk factor for open-angle glaucoma: a systematic review and meta-analysis. *Ophthalmology*, 118(10), 1989-1994.

Online Only  
[reviewofmm.com](http://reviewofmm.com)

