

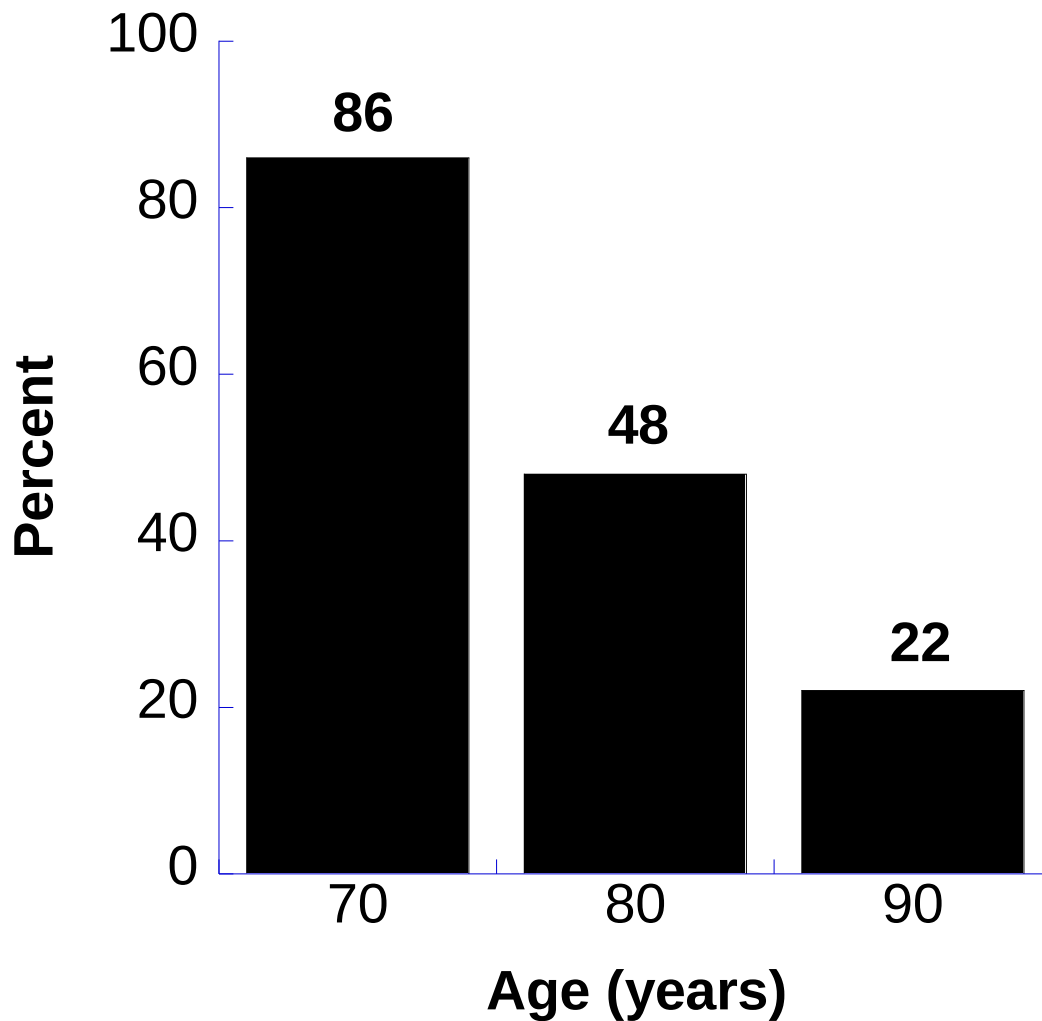
Major Visual Pathologies

(Schieber, 2006)

<u>Age</u>	<u>Cataract</u>	<u>ARM</u>	<u>Glaucoma</u>
52-64	5%	2%	1%
65-74	18%	11%	5%
75-84	46%	28%	7%

20/25 Visual Acuity (Corrected)

(Schieber, 2006)



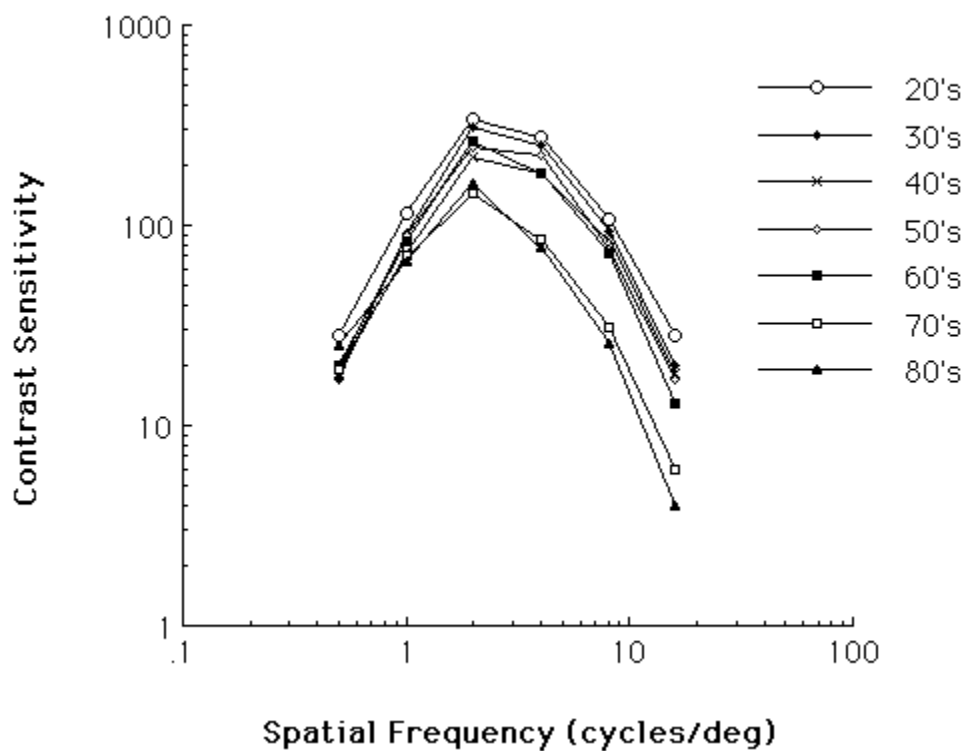
Visual Impairment Prevalence

(Schieber, 2006)

<u>Age</u>	<u>%Impaired</u>
40's	0.31 (3 in 1000)
65	0.88 (9 in 1000)
70	1.47
75	5.03
80+	23.7 (237 in 1000)

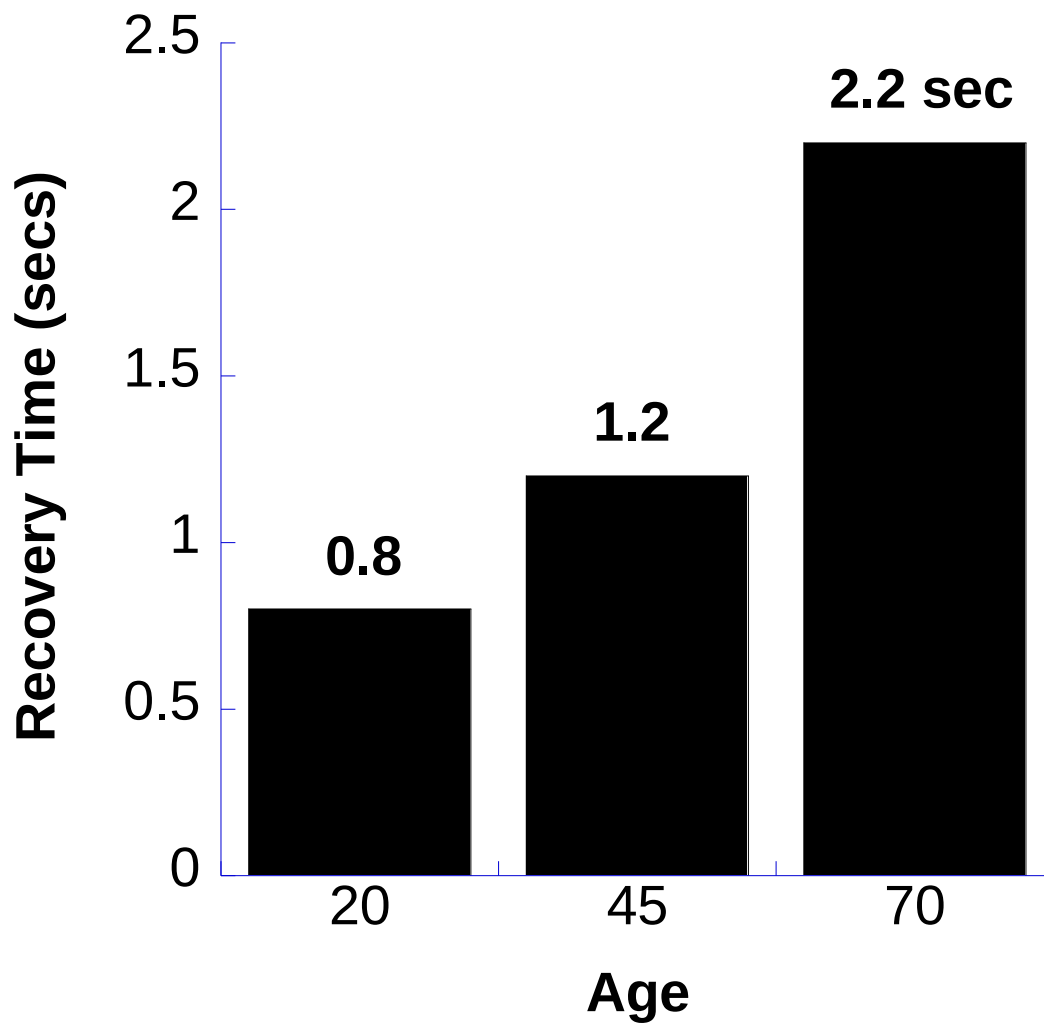
Aging of the Contrast Sensitivity Function

(Schieber, et al., 1992)



Glare Recovery Time (Driving)

(Schieber, 1994)



ClearView Highway Sign Font

(Schieber, 2004)



(a)



(b)

FIGURE 6 (a) Series E (modified) font versus (b) Clearview font for large freeway signs. Interstices in Clearview font characters are much larger, minimizing negative effects of overglow or halation when viewed under nighttime driving conditions (68).