# Visual impairment in the 4 ·- to 74-year-old population of Shahroud, Iran

#### **PURPOSE:**

To determine the prevalence of visual impairment by age and gender in Shahroud.

#### **METHODS:**

# **RESULTS:**

This study was conducted on <code>o\q.participants</code> (response rate: %^\\\.\). On the basis of presenting visual acuity, the prevalence of low vision and blindness was found to be %\\.\(\).\(\)(%\q.o\) confidence interval (CI): \(\cdot\).\(\).\(\)(\)) and \(\%\.\cdot\).\(\)(\%\q.o\)CI: \(\cdot\).\(\).\(\)), respectively. Based on corrected vision, these values were \(\%\.\cdot\).\(\)(\%\q.o\)CI: \(\cdot\).\(\cdot\)) and \(\%\.\cdot\).\(\Cdot\) were the most common causes of visual impairment based on presenting vision. Based on corrected vision, however, cataract (\%\\cdot\\).\(\cdot\), amblyopia (\%\\\\^\\).\(\sigma\)), and retinitis pigmentosa (\%\\\\\\^\\.\cdot\)) were the most common causes of visual impairment.

## **CONCLUSION:**

Although the prevalence of visual impairment in the city of Shahroud was determined to be lower than two previous studies in the country, correction of refractive errors and cataract could minimize the rate of visual impairment in this population as they were shown to comprise %^> of the causes of visual impairment. The elderly women need to receive more attention.