

Definition/Description:

Cataracts occur when the lens of the eye becomes cloudy and normal vision is impaired. There are many causes of cataracts including (but not limited to) cortisone medication, trauma, diabetes, and aging. The symptoms of cataracts include double or blurred vision and unusual sensitivity to light and glare. The clouded (cataractous) lens is removed in its entirety by surgery and replaced with an intraocular lens (IOL) made of plastic, an operation that takes about an hour and usually does not need hospitalization. For this report, cataract surgery was defined as any of the ICD-9-CM codes of 13.11, 13.19, 13.2, 13.3, 13.41, 13.43, 13.51, or 13.59 present on the hospital record.

Method

Residents age 50 and up were selected from three years of hospital data (1994/95-1996/97 and 1998/99-2000/01). The denominator was the WHR population age 50 and older from the same years. Age was calculated as of December 31 for each year, and region of residence was assigned as of the first-occurring record. Data were adjusted for age and sex. Age groups for standardization were 0-19, 20-39, 40-59, 60-74, 75+. This indicator reflects those services provided only to residents living in the WHR. It does not account for those services provided in the region regardless of where people live.

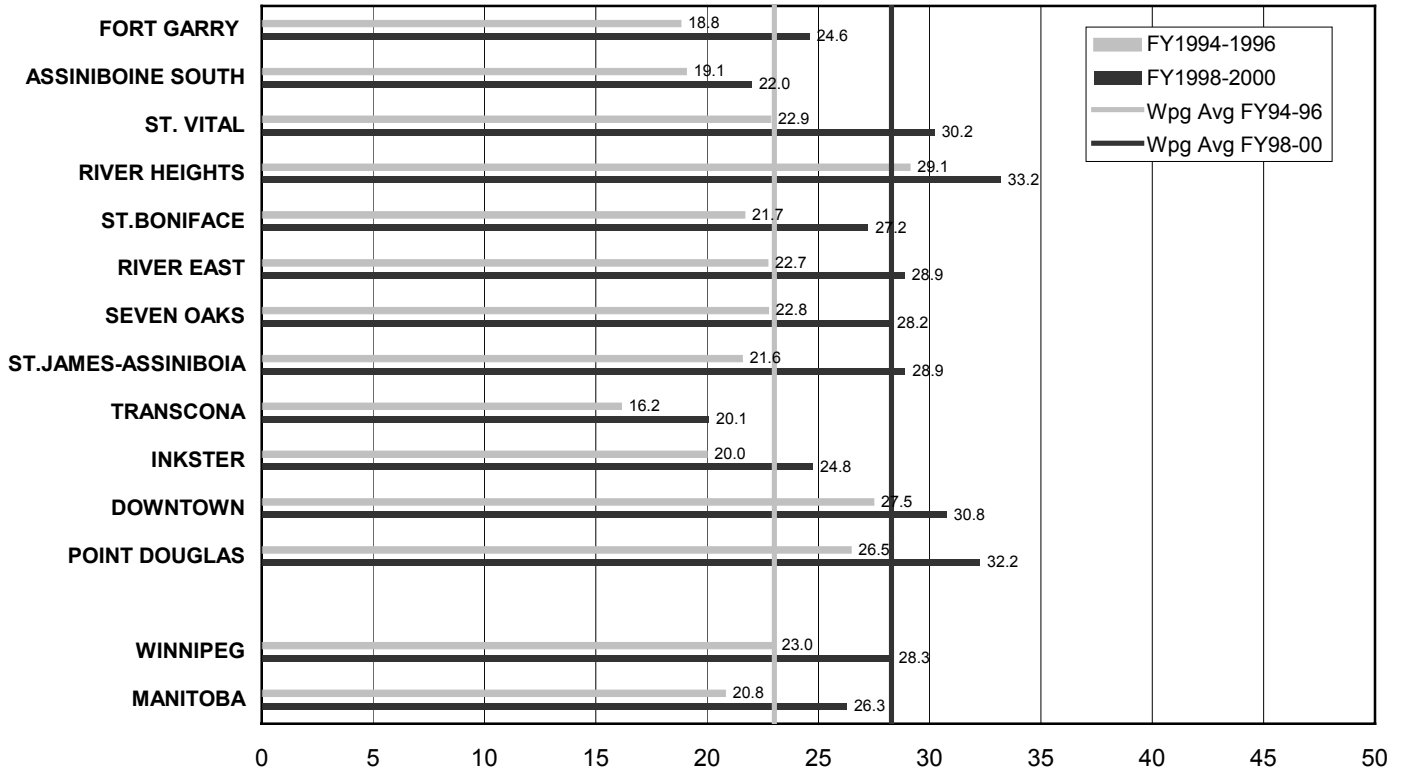
Source:

Need to Know Project, Manitoba Centre for Health Policy, 2003

Findings:

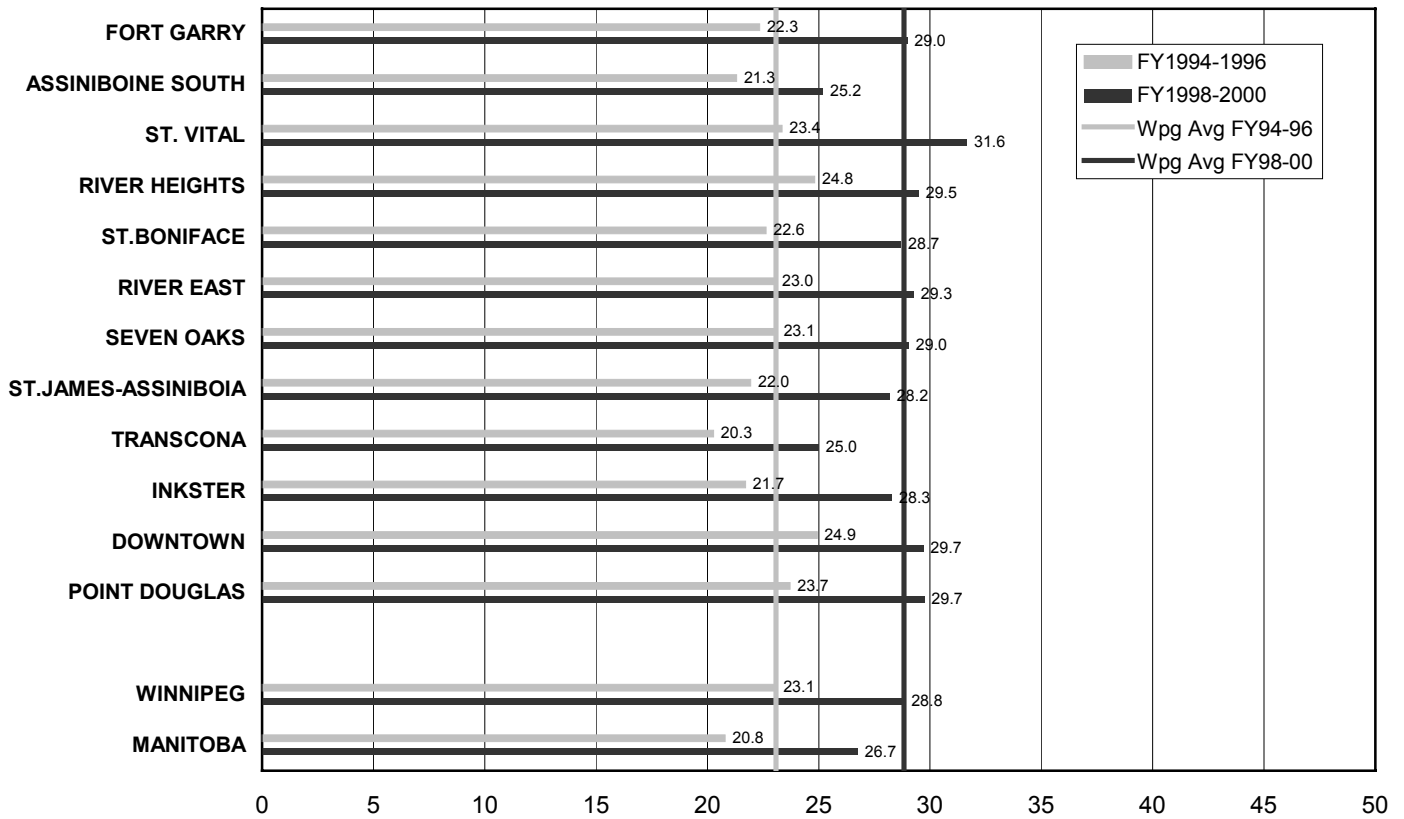
Cataract Surgery: Crude Rates by CA

Crude rate of cataract surgery per 1000 population age 50+ years



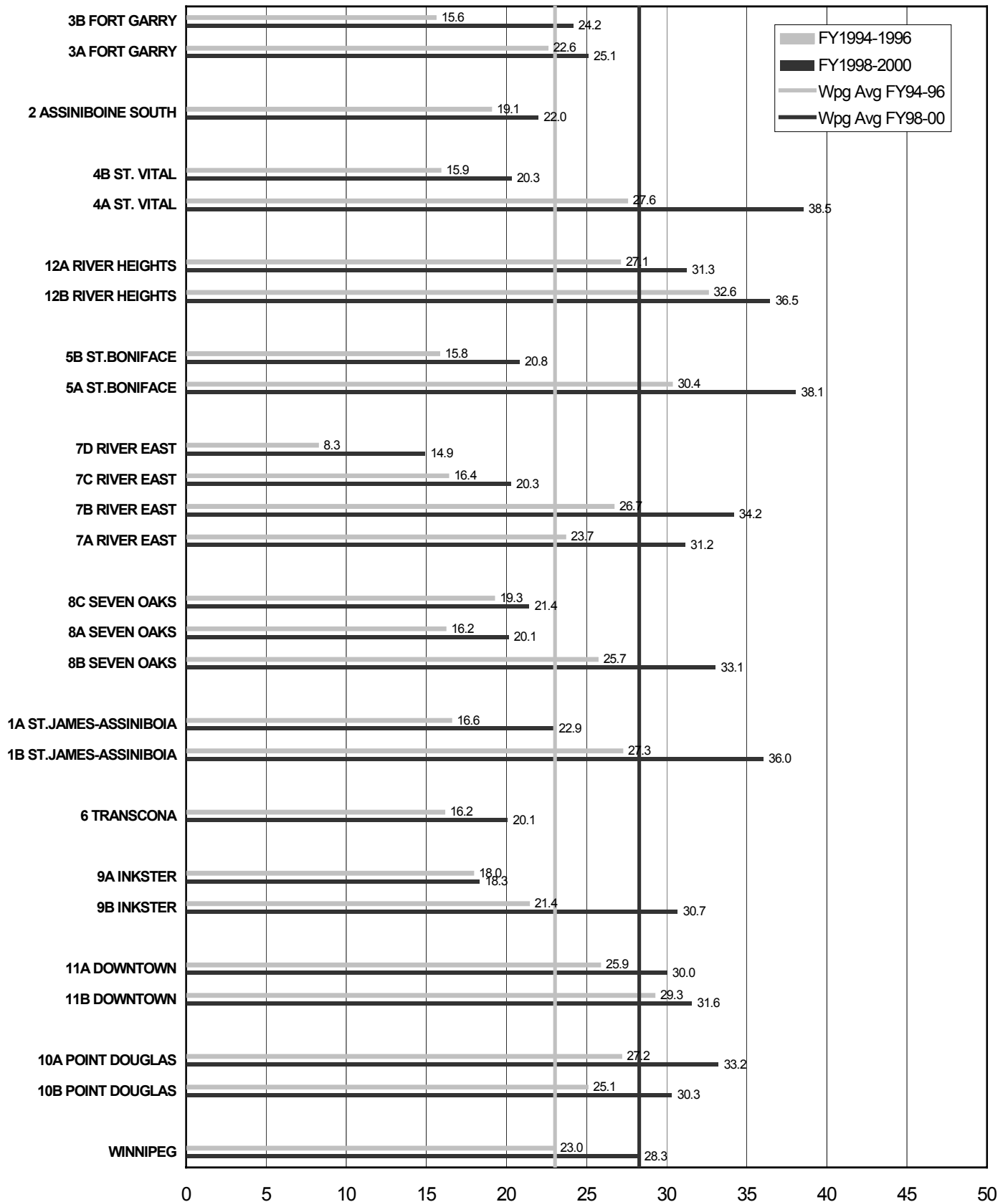
Cataract Surgery: Age-Adjusted Rates by CA

Age- & sex-adjusted cataract surgery rates per 1000 residents, age 50+ years



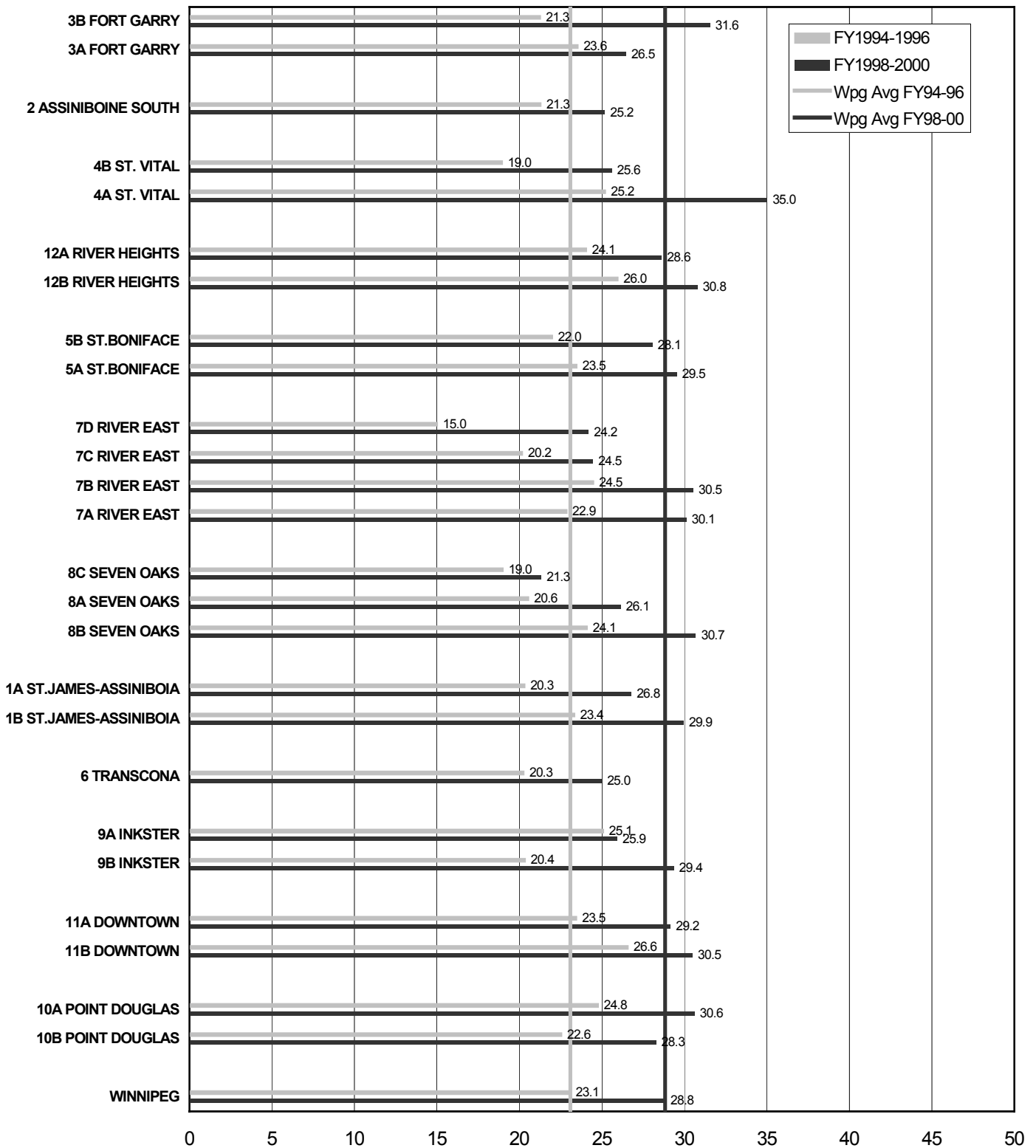
Cataract Surgery: Crude Rates by NC

Crude rate of cataract surgery per 1000 population age 50+ years



Cataract Surgery: Age-Adjusted Rates by NC

Age- & sex-adjusted cataract surgery rates per 1000 residents, age 50+ years



Highlights:

Regional Rates:

- The overall Winnipeg rate increased from 23.0 to 28.3 per 1000 across the two periods.
- The age-sex adjusted rate did not change compared to the crude rate which suggests that differences in the two time periods were not due to age and sex differences in the population.
- Winnipeg's crude rate was 2.0 per 1000 over Manitoba's rate.

Community Area

- Transcona had the lowest crude rate at 20.1 and River Heights and Point Douglas had the largest crude rates of 33.2 and 32.2 respectively. St. Vital and St. James-Assiniboia experienced the greatest increase of 7.3 between the two periods.
- After adjusting for age and sex differences in the community areas, Transcona was the lowest of all community areas at 25.0 per 1000 adjusted population and St. Vital has the largest adjusted rate at 31.6 as well as the greatest rate increase of 8.2 between the two periods.

Neighbourhood Cluster

- River East 7D has the lowest crude rate of all neighbourhood clusters at 14.9 and St. Vital 4A has the largest at 38.5 per 1000 as well as the greatest increase across periods of 10.9.
- In the last period shown, Seven Oaks 8C has the lowest adjusted rate of all the neighbourhood clusters at 21.3 and St. Vital 4A has the largest adjusted rate at 35.0. Fort Garry 3B had the greatest increase of 10.3 between the two periods.