5. There were 45,238 neonatal deaths out of 5,672,000 live births in City F. Calculate the neonatal mortality (death) rate. Use 1,000 as the multiplier. Round to the nearest whole number.

$$\frac{45,238}{5,672,000} \times 1000 = 8$$

6. The population in Sangamon county in 2000 was 188,951

   a   The number of live births in Sangamon County in 2000 was 2,646. Figure the Live Birth rate for Sangamon country for 2000. Use 1,000 as the multiplier. Round to the nearest whole number.

$$\frac{2646}{188,951} \times 1000 = 14$$

   b   The number of infant deaths in Sangamon County in 2000 was 18. Figure the infant mortality rate for Sangamon country for 2000. Use 1,000 as the multiplier. Round to the nearest whole number.

$$\frac{18}{2,646} \times 1000 = 7$$

7. A city has a population of 250,000. Of these, 10,000 have disease X, which is incurable. There are 1,000 new cases and 400 deaths each year from this disease. There are 2,500 deaths per year from all causes. What is the prevalence rate based on a multiplier 100,000. Round to the nearest whole number.

$$\frac{10,000}{250,000} \times 100,000 = 4000$$