

2009 Service Area Population: 519,901 Per applicant  
 Surgeries @ 85.180/1,000: 44,285

a.i. 94,250 minutes/year/mixed-use OR

a.ii. 68,850 minutes/year/dedicated outpatient OR

a.iii. 17 dedicated outpatient OR's x 68,850 minutes = 1,170,450 minutes dedicated OR capacity 20,901 Outpatient surgeries

a.iv. 23 mixed-use OR's x 94,250 minutes = 2,167,750 minutes mixed-use OR capacity 19,099 Mixed-use surgeries

b.i. projected inpatient surgeries = 16,098 = 1,827,084 minutes inpatient surgeries  
 projected outpatient surgeries = 28,188 = 1,578,500 minutes outpatient surgeries

b.ii. Forecast # of outpatient surgeries - capacity of dedicated outpatient OR's  
 28,188 - 20,901 = 7,287 outpatient surgeries

b.iii. average time of inpatient surgeries = 113.50 minutes  
 average time of outpatient surgeries = 56.00 minutes

b.iv. inpatient surgeries\*average time = 1,827,084 minutes  
 remaining outpatient surgeries(b.ii.)\*ave time =  $\frac{408,050}{2,235,135}$  minutes

c.i. if b.iv. < a.iv. , divide (a.iv.-b.iv.) by 94,250 to determine surplus of mixed-use OR's  
**Not Applicable - Go to c.11. and ignore any value here.**

$$\begin{array}{r} 2,167,750 \\ - 2,235,135 \\ \hline -67,385 \end{array} / 94,250 = -0.71$$

c.ii. if b.iv. > a.iv., divide (inpatient part of b.iv - a.iv.) by 94250 to determine shortage of inpatient OR's  
**USE THESE VALUES**

$$\begin{array}{r} 1,827,084 \\ - 2,167,750 \\ \hline (340,666) \end{array} / 94,250 = -3.61$$

divide outpatient part of b.iv. By 68,850 to determine shortage of dedicated outpatient OR's  
 $\frac{408,050}{68,850} = 5.93$



