

Memorial General Hospital

Relative Cost = 1.75

Regularly Scheduled Hours for Full-Time Hourly or Salaried Staff

Rooms

Service	Mon	Tue	Wed	Thu	Fri
Burn	08		08		08
Card	08	08	16	16	16
Ortho	08	08	08	08	08
OTHER	16	16	16	16	16
Total Rooms Needed	5	4	6	5	6

Hours	8 Hr	10 Hr	13 Hr
8	1		
16	2		
24	3		
32	4		
40	5		
48	6		

The table above lists the number of hours to assign daily to each service in order to minimize labor costs. The numbers in parentheses are the range of hours resulting in costs up to 105% of the optimum value. If no range is given, then alternative staffing plans would result in costs higher than 105% of the optimum value.

Match the hours displayed with the corresponding values in the # Rooms table to the right. Services without assigned OR time on a given day of the week are combined, and schedule cases into the "other" rooms.

CalculatOR assumes that the scheduling strategy (mission statement, business model, or service level) of the surgical suite is to perform all cases included in the data on whatever workday the surgeon and patient choose. CalculatOR identifies staffing recommendations that balance the relative cost of under-utilized and over-utilized OR time, thereby maximizing the efficiency of use of OR time. This will serve to reduce OR staffing costs and increase staffing productivity. One consequence of this scheduling strategy is that the surgical schedule should not "close" because the OR is "overbooked." In addition, cases should be booked sequentially in every OR from the start of each day, meaning that there can be no scheduled delays between cases.

The runs test did not detect a statistically significant trend or autocorrelation in forecasted staffing costs among consecutive four-week periods.

Facility: Memorial General Hospital

Dataset: Datahospital1

Algorithms developed by Franklin Dexter, MD, PhD. For detailed consultation on staffing issues, Email Franklin-Dexter@Ulowa.edu