







### RESULTS

#### Imaging Resource Utilization Optimization

	1	2	3
	Baseline	Add Roomer	X-Ray Tech as Roomer
There is not a statistically significant difference in average waiting times across scenarios	0 min	0 min	0 min
More patients are waiting longer in the café for the MRI tech in the baseline scenario	30 min	30 min	29 min
Adding one roomer does not help relieve tech from that much work	189 min	190 min	188 min
X-ray tech utilization is higher when they are used to transport and screen MRI patients	70	55	57
There is not a statistically significant difference in MRI utilization across scenarios	74%	76%	76%
	36%	37%	38%
	N/A	1%	N/A
	69%	72%	72%
	1:38	3:28	2:27
	FIFO MRI Queue		

### RECOMMENDATIONS

#### Imaging Resource Utilization Optimization

	1	2	3
	Baseline	Add Roomer	X-Ray Tech as Roomer
Since the average waiting time for an MRI is about 30 minutes, we recommend using a first in, first out system for processing MRIs. In the first in, first out system, patients should be told that their wait could be 30 minutes to an hour, and that they will be notified 15 minutes prior to their MRI.	0 min	0 min	0 min
Decoupling the MRI tech from the task of rooming would increase capacity of the MRI, allowing for more MRIs to be done in one week. However, the resulting low utilization of an employee dedicated to rooming patients might not justify the cost of hiring a new employee. We recommend that LSI explore the possibilities of incorporating the rooming task into another role and evaluate the trade-offs between cost and value of this recommendation.	30 min	30 min	29 min
	189 min	190 min	188 min
	70	55	57
	74%	76%	76%
	36%	37%	38%
	N/A	1%	N/A
	69%	72%	72%
	1:38	3:28	2:27
	FIFO MRI Queue		

### QUESTIONS?

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