Is lunch time available to nurses in OR?

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Why work on Lunch Break in OR?

- Claim from nurses that sometimes LB is not possible
- LB not traced in Information System (no hard data)
- Nurse's time, out of the room, is not recorded (no hard data)
- LB is legal
- LB is part of the wellbeing at work
- Between Liège and Lyon : we had the same problem!

Aim of the work : get EVIDENCE to the claim

Definitions

FTE: Full-Time Equivalent

ORU: Operating Room Utilization for surgery

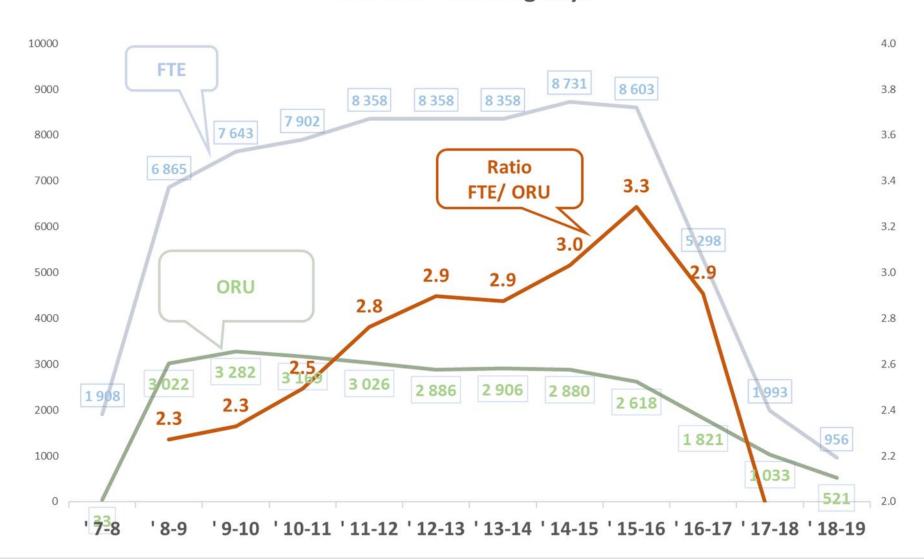
Rationale

Construct an indicator: FTE/ORU for every hour

From 2 Data Base: Human Resources and OR activity

Citadelle 2018		Timeline :	' 7-8	' 8-9	' 9-10 '	10-11	11-12 '	12-13 '	13-14	14-15 '	15-16'	16-17
Working Days												
FTE / h	02/01/2018	Tuesday	6.0	21.0	24.0	25.0	27.0	27.0	27.0	28.5	28.0	18.0
	03/01/2018	Wednesday	7.0	25.0	28.0	29.0	31.0	31.0	31.0	32.5	32.0	20.0
	04/01/2018	Thursday	7	23.0	26.0	27.0	29.0	29.0	29.0	30.5	30.0	19.0
		-										
ORU / h	02/01/2018	Tuesday	0.2	7.1	8.5	9.2	8.8	8.9	8.1	7.6	6.3	3.7
	03/01/2018	Wednesday	0.1	10.0	10.6	9.7	9.2	6.8	8.1	9.0	7.2	5.7
	04/01/2018	Thursday	0	10.3	11.4	11.6	10.7	10.2	11.0	11.8	9.3	8.2
FTE/ORU	02/01/2018	Tuesday	36	3.0	2.8	2.7	3.1	3.1	3.3	3.8	4.5	4.8
	03/01/2018	Wednesday	84	2.5	2.6	3.0	3.4	4.6	3.8	3.6	4.4	3.5
	04/01/2018	Thursday	195	2.2	2.3	2.3	2.7	2.8	2.6	2.6	3.2	2.3

Distribution: Ratio FTE/ORU CIT 2018: Working days



Lunch Break characteristics:

2.3

between 11:00 to 14:00 last 45 ' (0.75 unit hour)



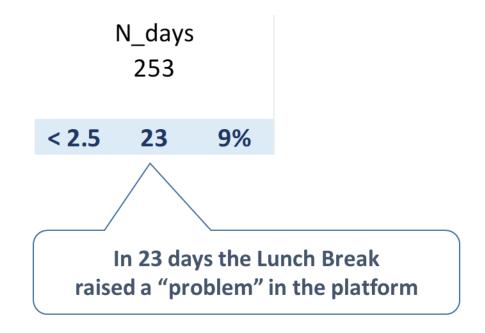


What is a "good" ratio compatible with L_B?

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Rationale for	3 hours time slot				
For 1 Room	' 11-12	' 12-13	' 13-14		
Circulating	1	1	1		
Scrub	1	1	1		
Lunch Break	0.75	0.75			
Ratio per hour	2.75	2.75	2		
	(2	.75 + 2.75 + 2),	/3		
Mean Ratio per Slot		2.5			

Numbers of days when Lunch Break was <u>not</u> possible



If two rooms don't need special staffing for L_B
Then Ratio = 2.4

<2.4	15	6%
<2.4	15	6%

Ratio	Frequency	%
1.7	1	
1.8	1	
2.1	2	00/
2.2	4	9%
2.3	7	
2.4	8	
2.5	28	
2.6	33	
2.7	34	
2.8	29	
2.9	26	
3.0	12	
3.1	14	
3.2	14	
3.3	11	
3.4	5	
3.5	2	
3.6	3	
3.7	3	
3.9	1	
4.1	1	
4.7	1	
4.9	1	
5.4	1	
5.8	1	
6.2	1	
6.7	1	
8.7	1	
9.9	1	
10.4	1	
10.5	1	
11.3	1 7	
15.1	1 ′	
22.1	1	

Comments:

1)Bias: FTE and ORU depend on data quality

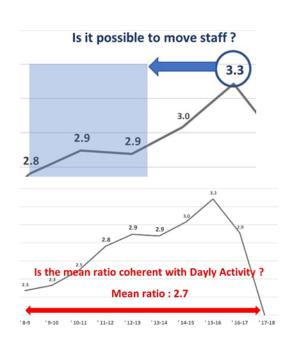
2) We tried to gain some perspectives: survey w20

• From 140 LB, 9 were not possible (6%)

3)The Ratio FTE/ORU is a tool for :

• Staff positioning along the timeline

 Staff allocation during the working days (if ratio includes peri-operating time)



(Incorrect staff allocation is the main cause of failure of the system!)

Conclusion

This work wants to be a **plea** to use **FTE /ORU** as :

an **indicator** to **manage** Operating Room

It is easy to manipulate
It is easier than a linear statistical model

Beyond the "math" behind this exercise, the quality of exchanges were the most fruitful.

Thank you

