Maximizing Workforce Efficiency through Targeted Utilization Analytics

Empowering Leaders to Reallocate Resources for Optimal Departmental Coverage

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COMPANY OVERVIEW

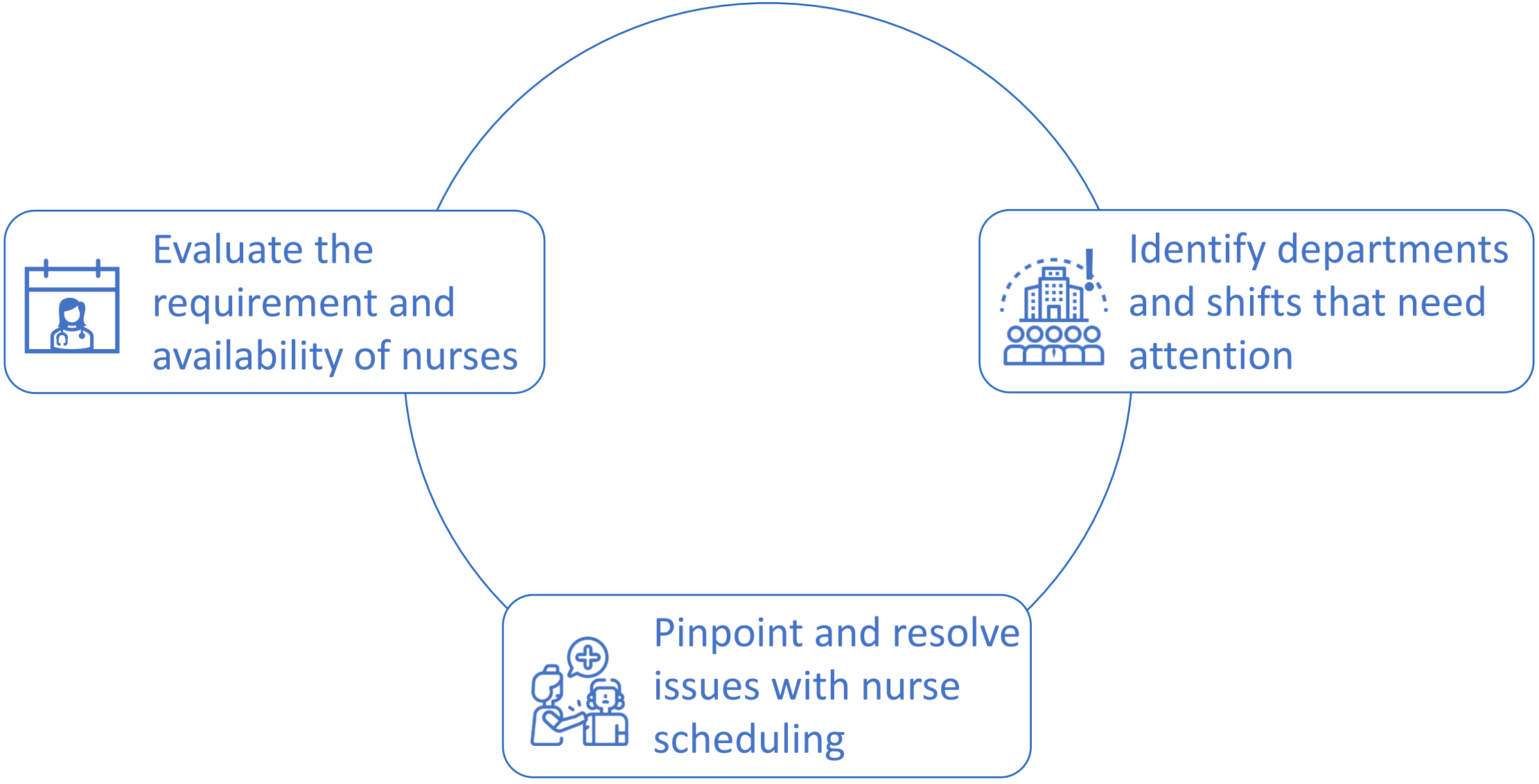
A Hospital Chain

$900M
Revenue

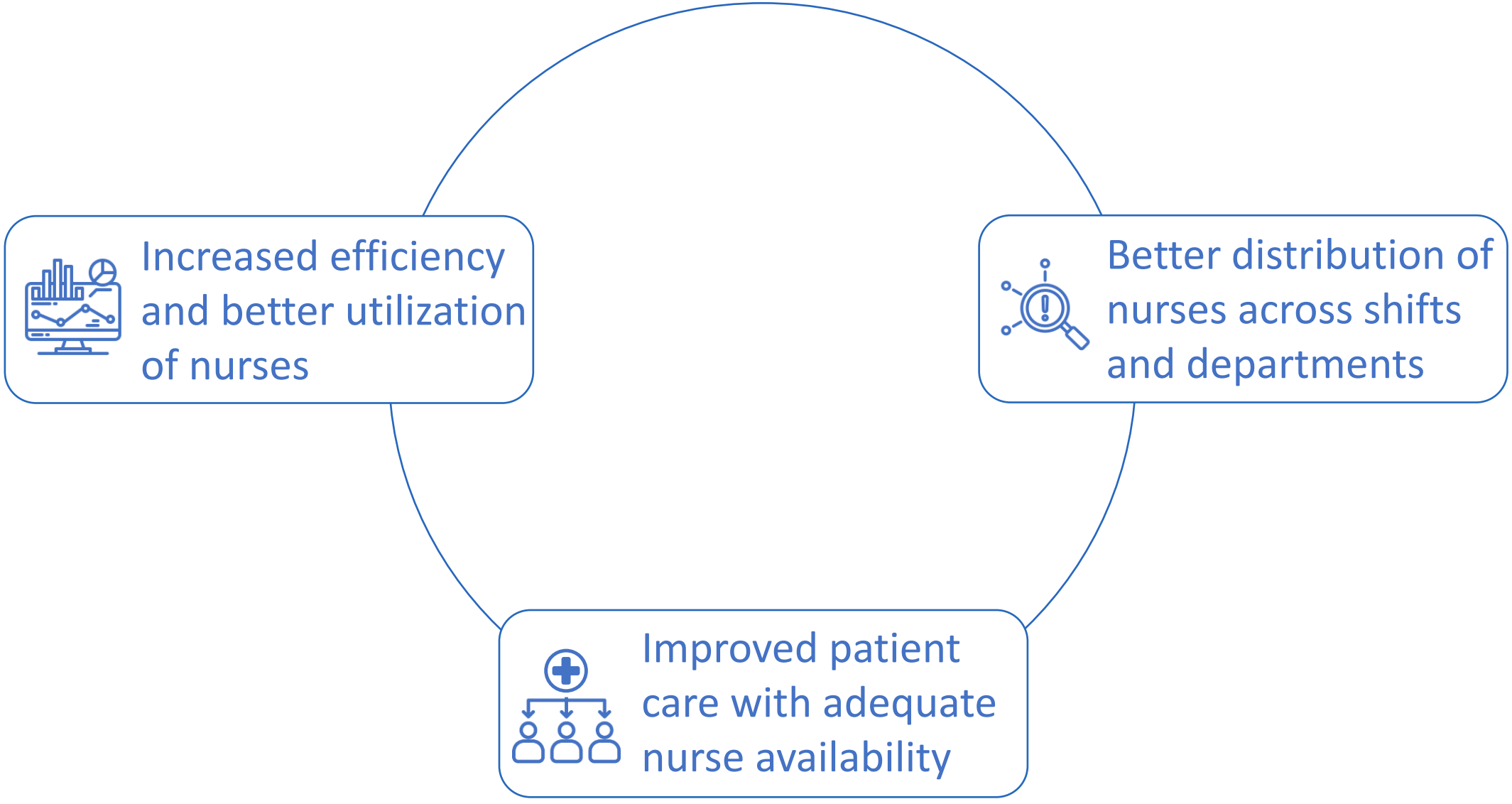
5,000
Employees

Department Heads

OBJECTIVES


Evaluate the requirement and availability of nurses
Identify departments and shifts that need attention
Pinpoint and resolve issues with nurse scheduling

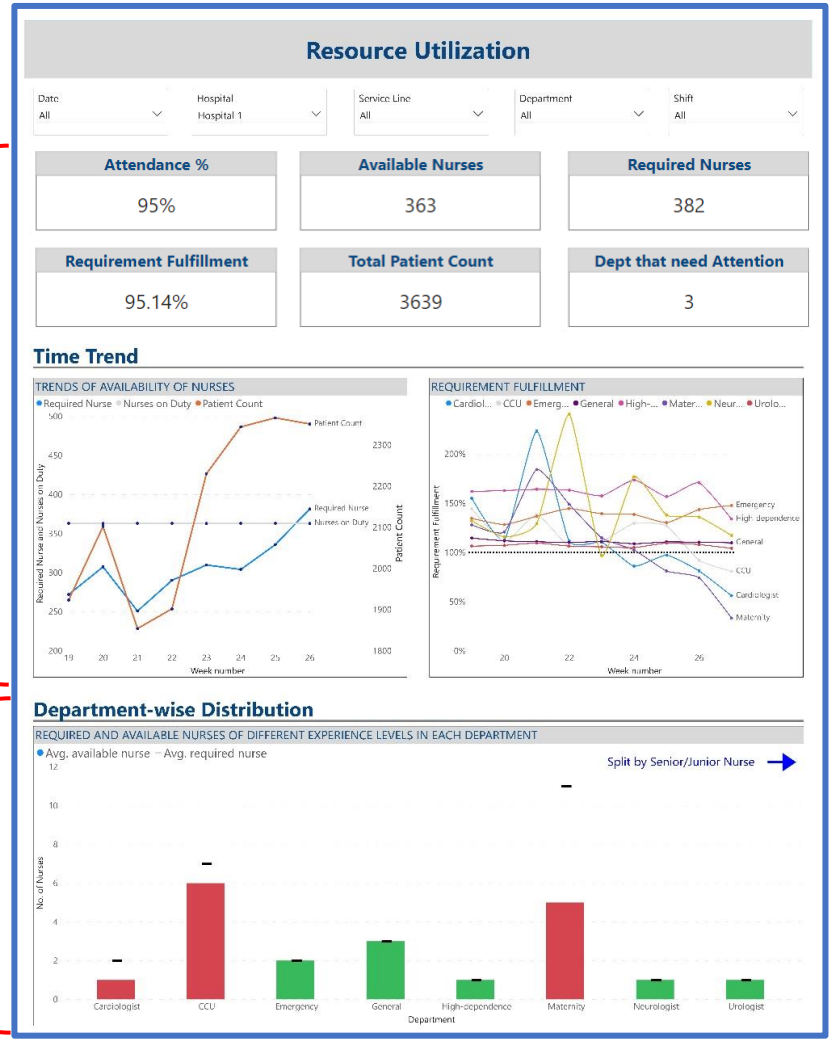
BENEFITS


Increased efficiency and better utilization of nurses
Better distribution of nurses across shifts and departments
Improved patient care with adequate nurse availability

This is an overview

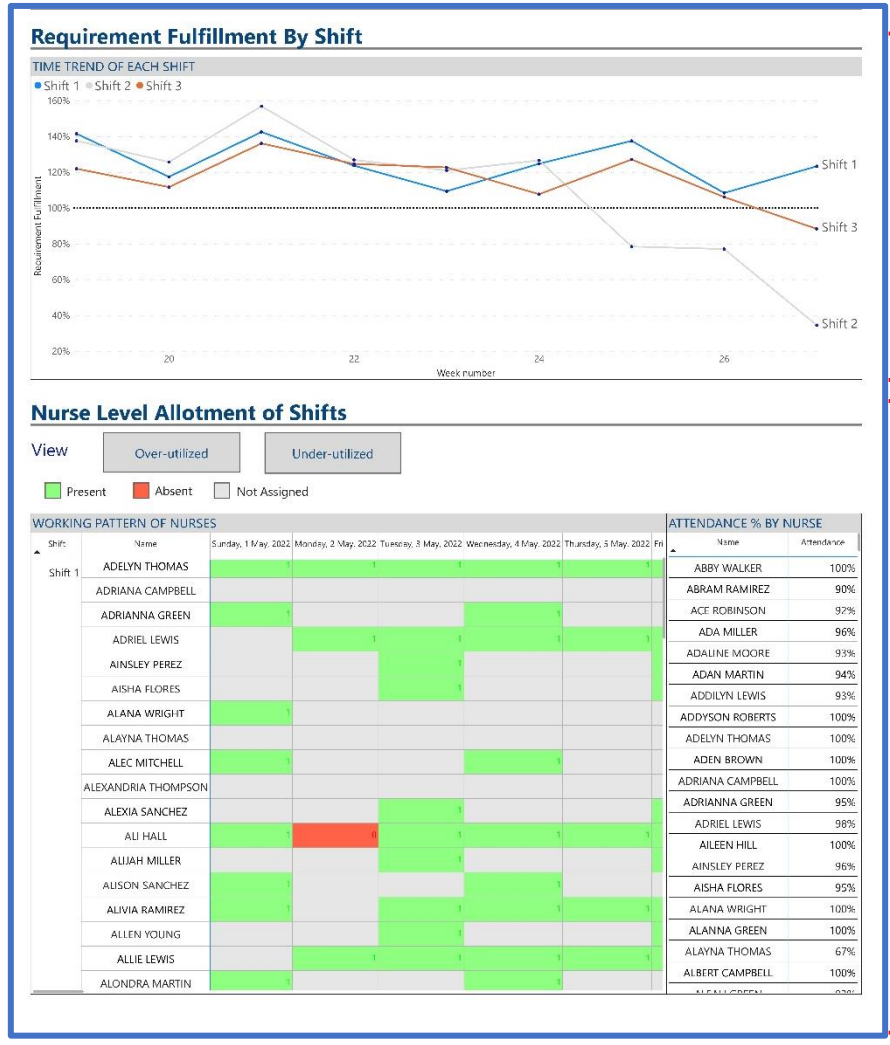
Workforce utilization KPIs and trends

Dept. level available vs. required nurses

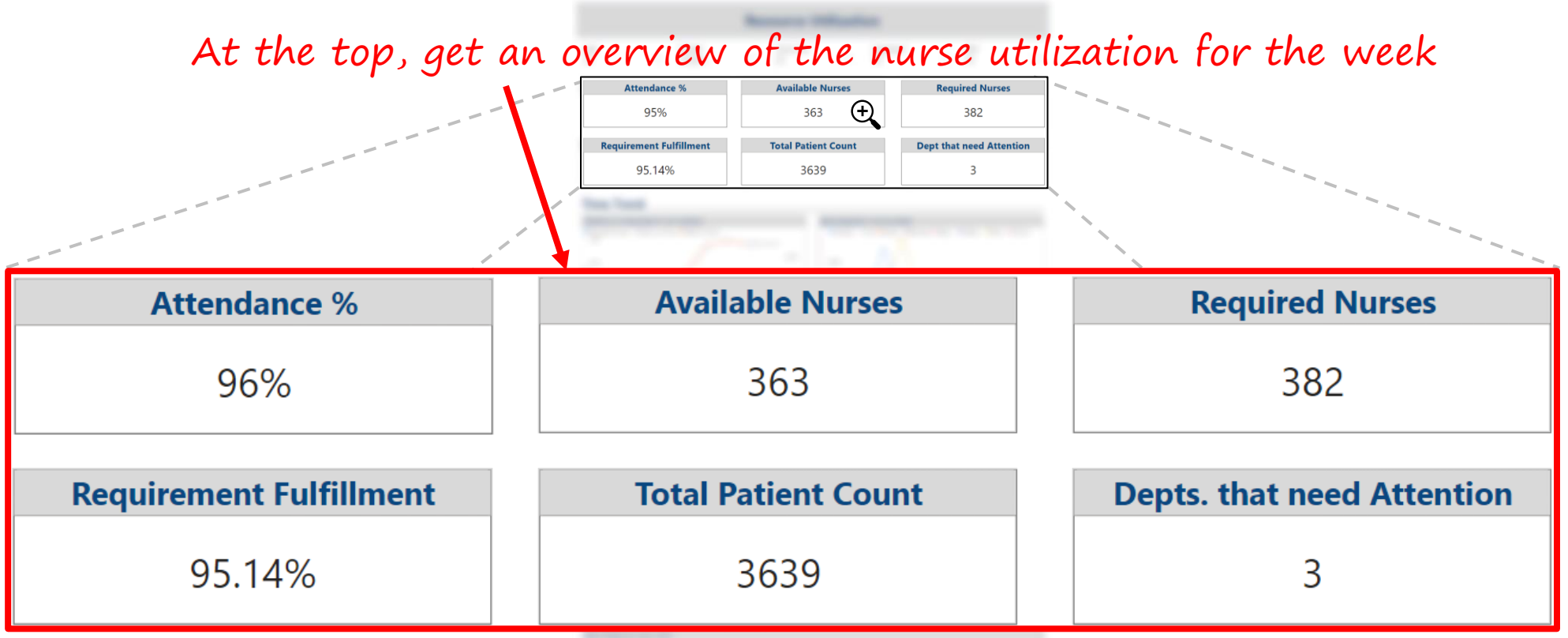


Staffing fulfillment for each shift

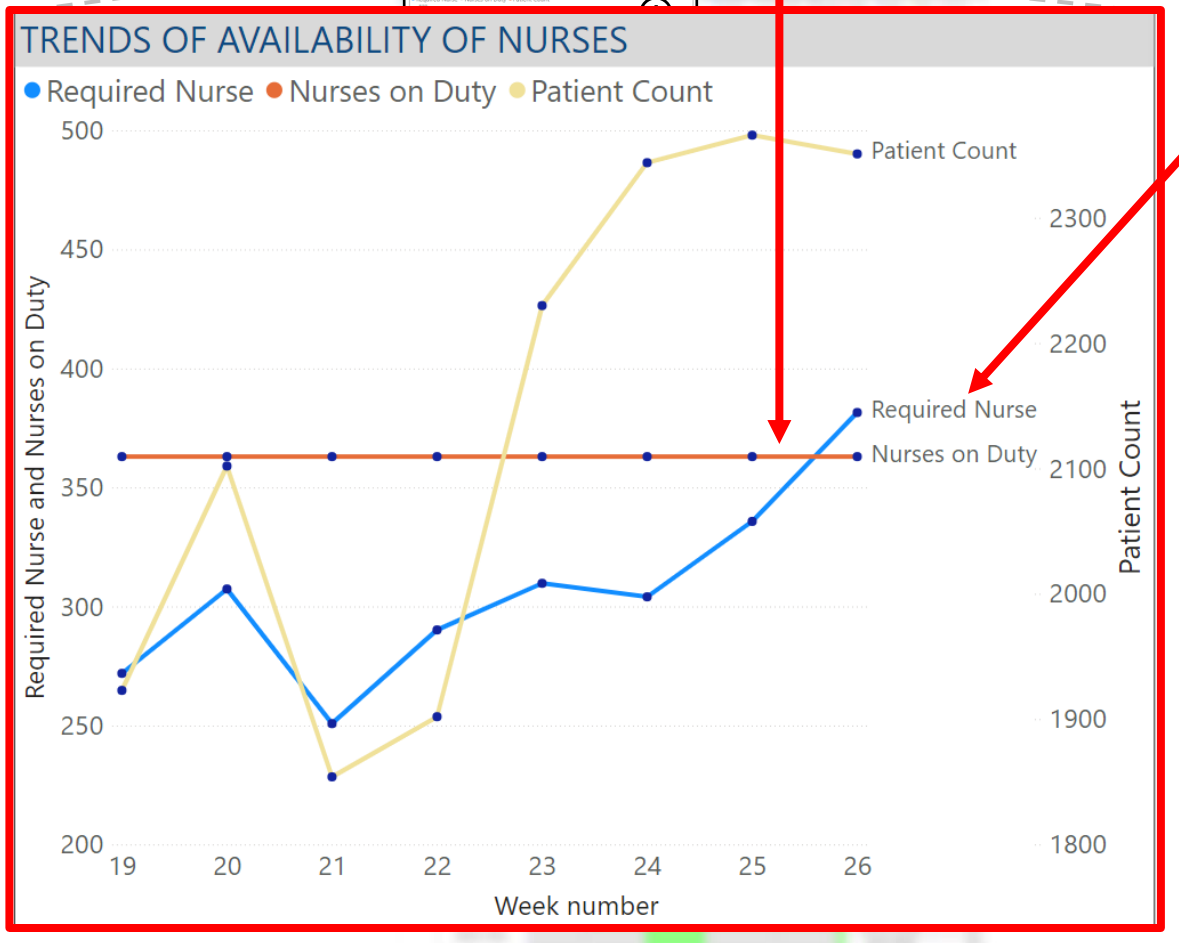
Working time-slots of nurses



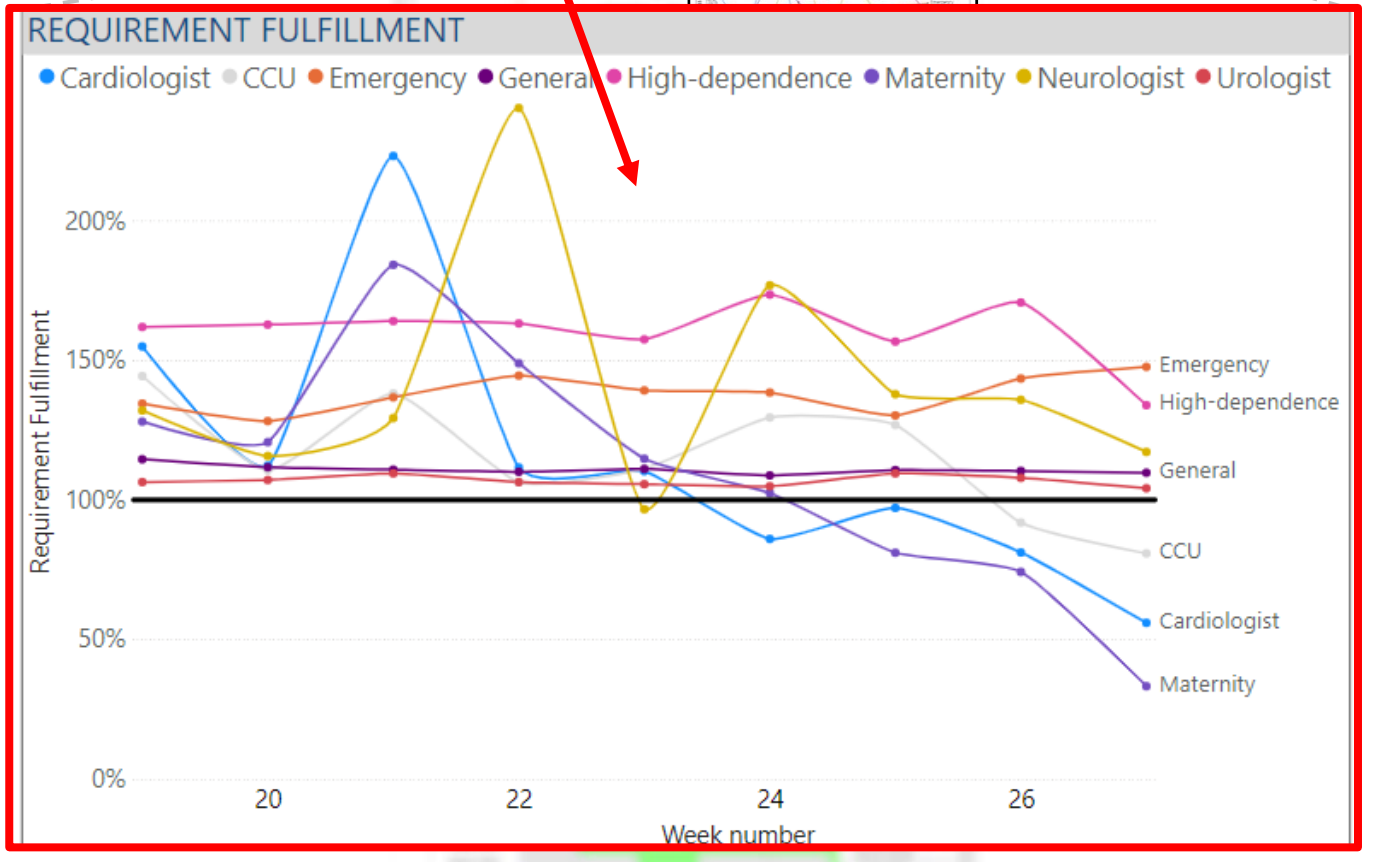
At the top, get an overview of the nurse utilization for the week



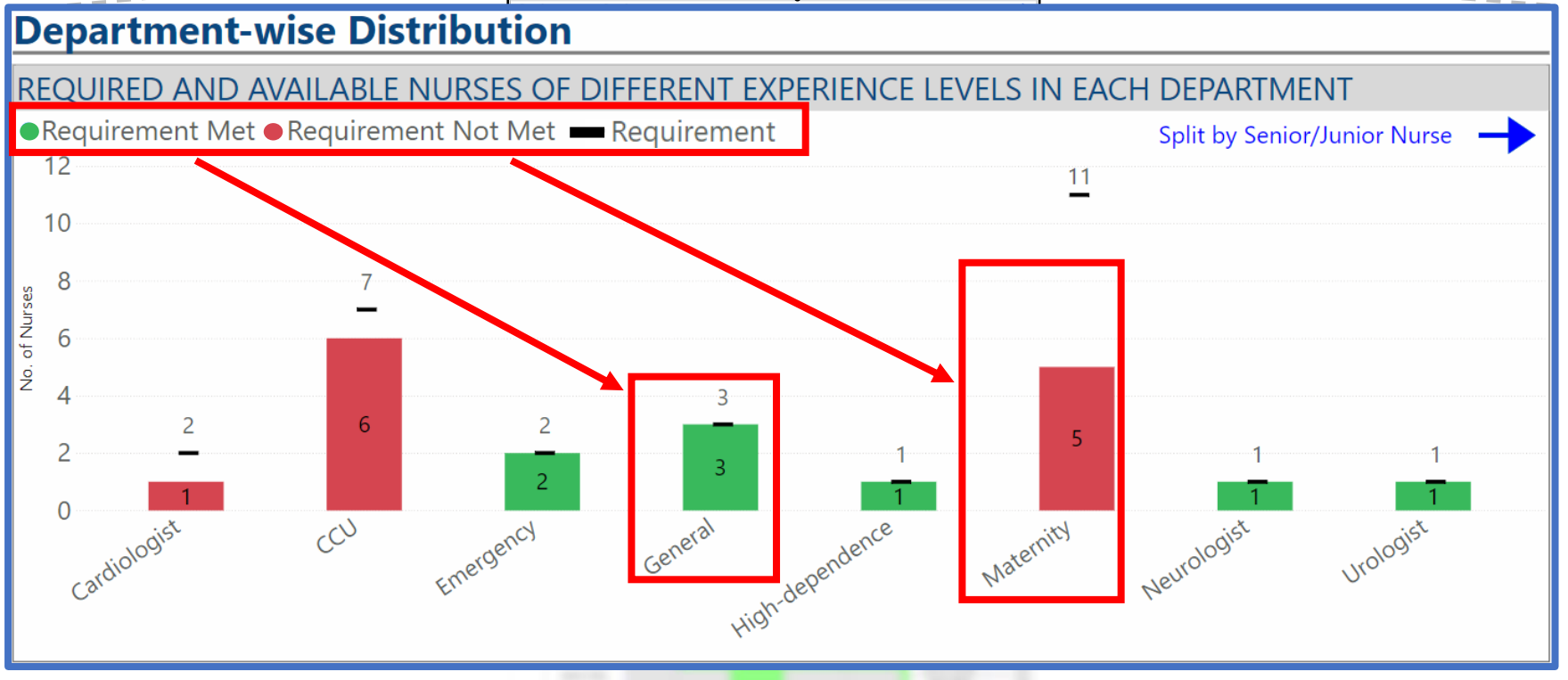
View the patient count trend and check if on-duty nurses met the requirement



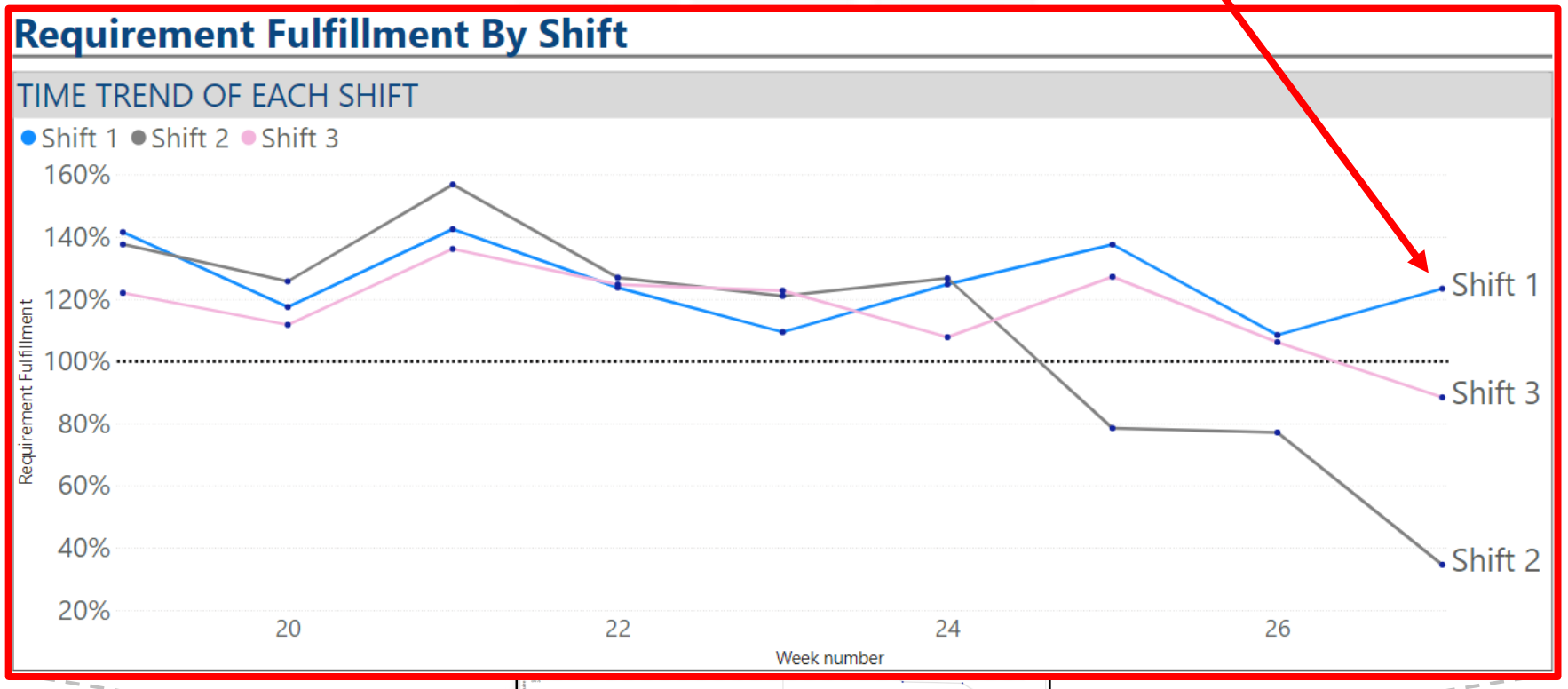
You can also check if the requirement for each department is fulfilled or not



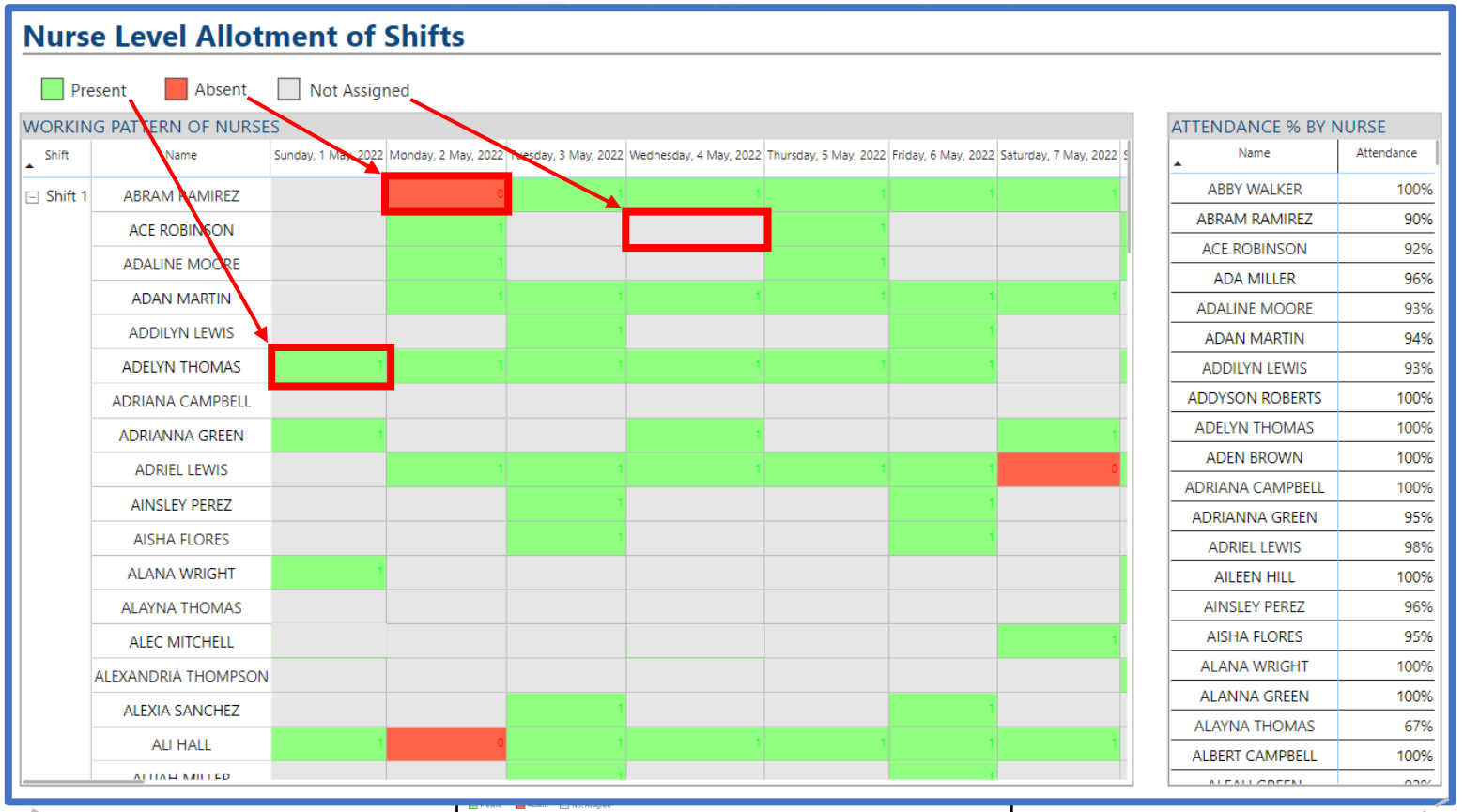
Examine whether there are adequate nurses available for each department



Check if nurse availability was sufficient across shifts

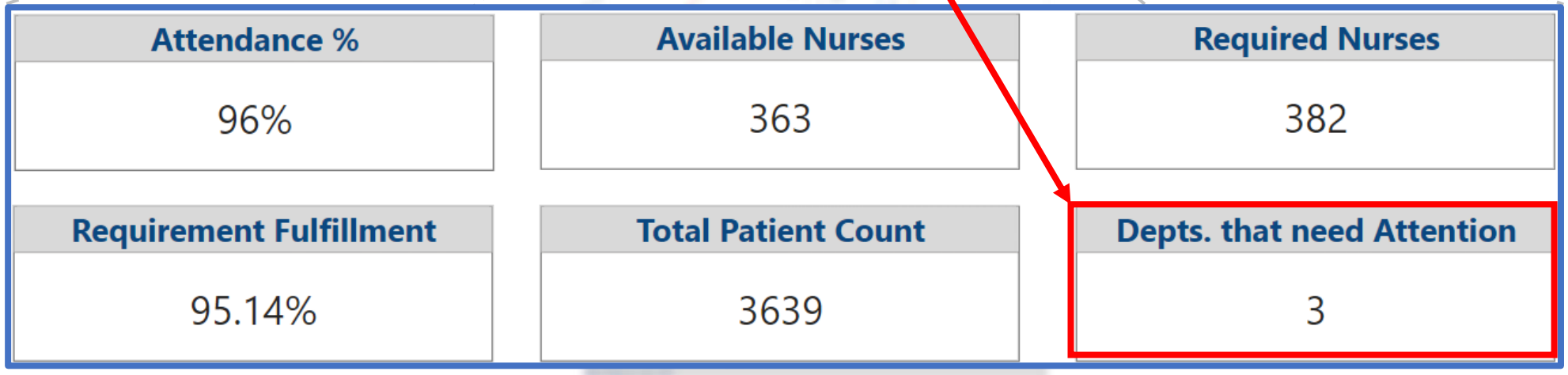


Further, analyze working time-slots of the nurses



Now, let’s analyze deeper

From the KPIs, we notice that there are three depts. that need attention



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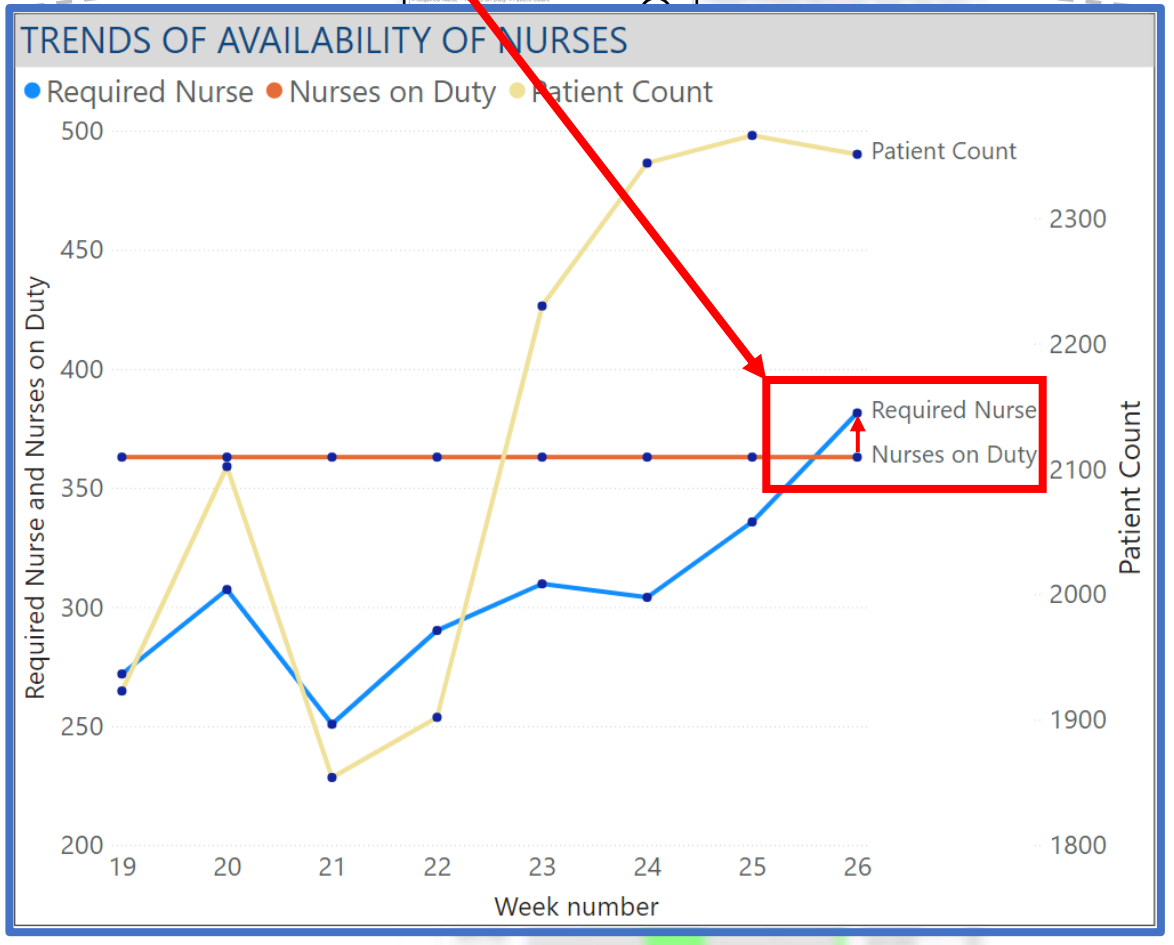
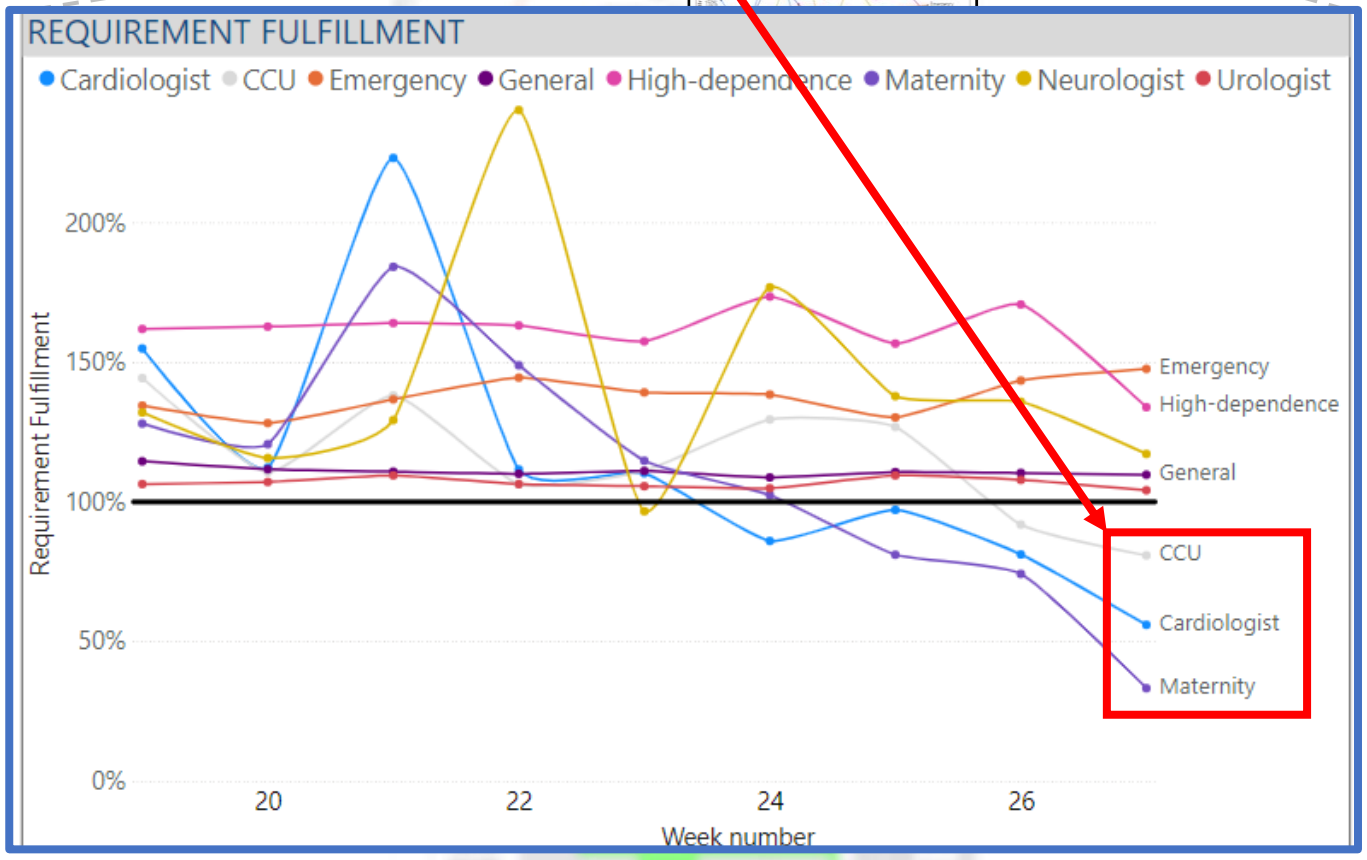
Additionally, observe that required nurses has exceeded the number of nurses on duty



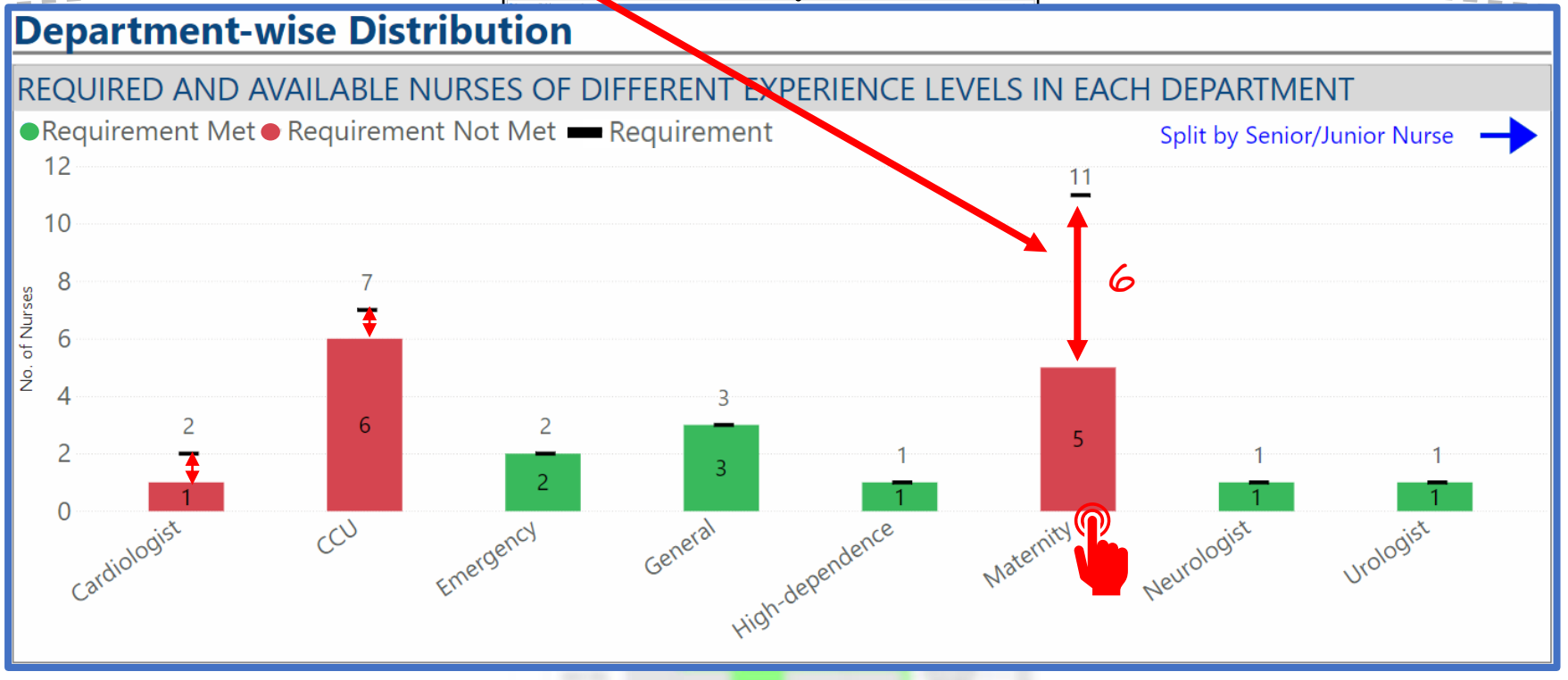
Now, let's check the department-wise trends >>

CCU, Cardiology and Maternity (requirement fulfillment < 100%) need more nurses



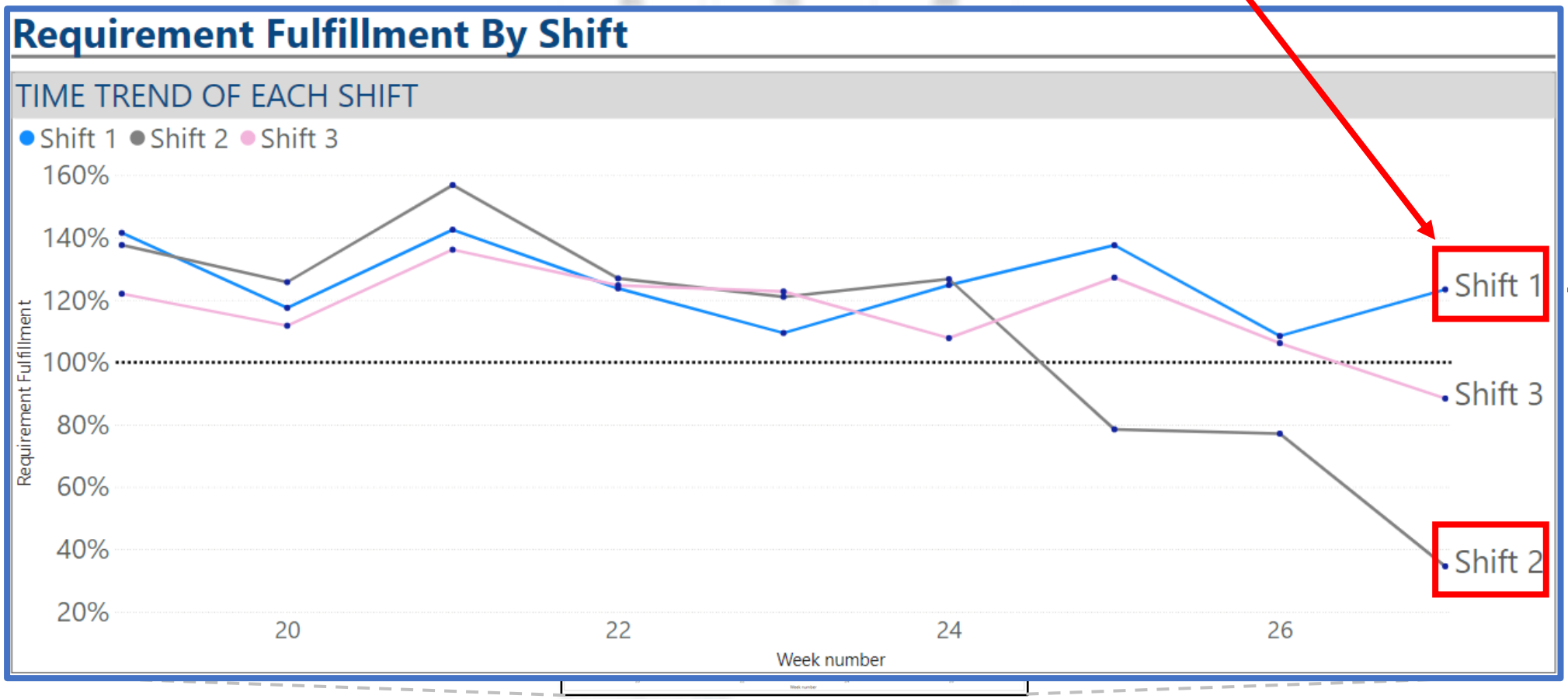
Let's dive deeper>>

From these three depts., Maternity's staffing gap is significantly large



Click to check shift-wise requirement fulfillment >>

For Maternity, overcapacity nurses can be moved from Shift 1 (overstaffed) to Shift 2 (understaffed)



Let's reallocate the shifts >>

Check which nurses are free

Nurse Level Allotment of Shifts

Present Absent Not Assigned

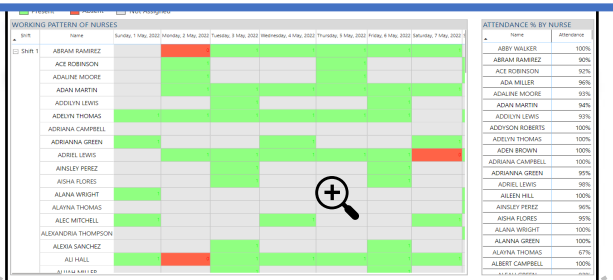
WORKING PATTERN OF NURSES

Shift	Name	Sunday, 1 May, 2022	Monday, 2 May, 2022	Tuesday, 3 May, 2022	Wednesday, 4 May, 2022	Thursday, 5 May, 2022	Friday, 6 May, 2022	Saturday, 7 May, 2022
Shift 1	ABRAM RAMIREZ		0	1	1	1	1	1
	ACE ROBINSON		1			1		
	ADALINE MOORE		1			1		
	ADAN MARTIN		1	1	1	1	1	1
	ADDILYN LEWIS			1			1	
	ADELYN THOMAS	1	1	1	1	1	1	
	ADRIANA CAMPBELL							
	ADRIANNA GREEN	1			1			
	ADRIEL LEWIS		1	1	1	1	1	0
	AINSLEY PEREZ			1			1	
	AISHA FLORES			1			1	
	ALANA WRIGHT	1						
	ALAYNA THOMAS							
	ALEC MITCHELL							
	ALEXANDRIA THOMPSON							
	ALEXIA SANCHEZ			1			1	
	ALI HALL	1	0	1	1	1	1	1
	ALIAH MILLER			1			1	

ATTENDANCE % BY NURSE

Name	Attendance
ABBY WALKER	100%
ABRAM RAMIREZ	90%
ACE ROBINSON	92%
ADA MILLER	96%
ADALINE MOORE	93%
ADAN MARTIN	94%
ADDILYN LEWIS	93%
ADDYSON ROBERTS	100%
ADELYN THOMAS	100%
ADEN BROWN	100%
ADRIANA CAMPBELL	100%
ADRIANNA GREEN	95%
ADRIEL LEWIS	98%
AILEEN HILL	100%
AINSLEY PEREZ	96%
AISHA FLORES	95%
ALANA WRIGHT	100%
ALANNA GREEN	100%
ALAYNA THOMAS	67%
ALBERT CAMPBELL	100%

These nurses are relatively free and so can be moved to Shift 2



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