PAGE 1: ORGANIZATIONAL STRUCTURE

EXAM ROOMS 1, 3, 5, 7, 9

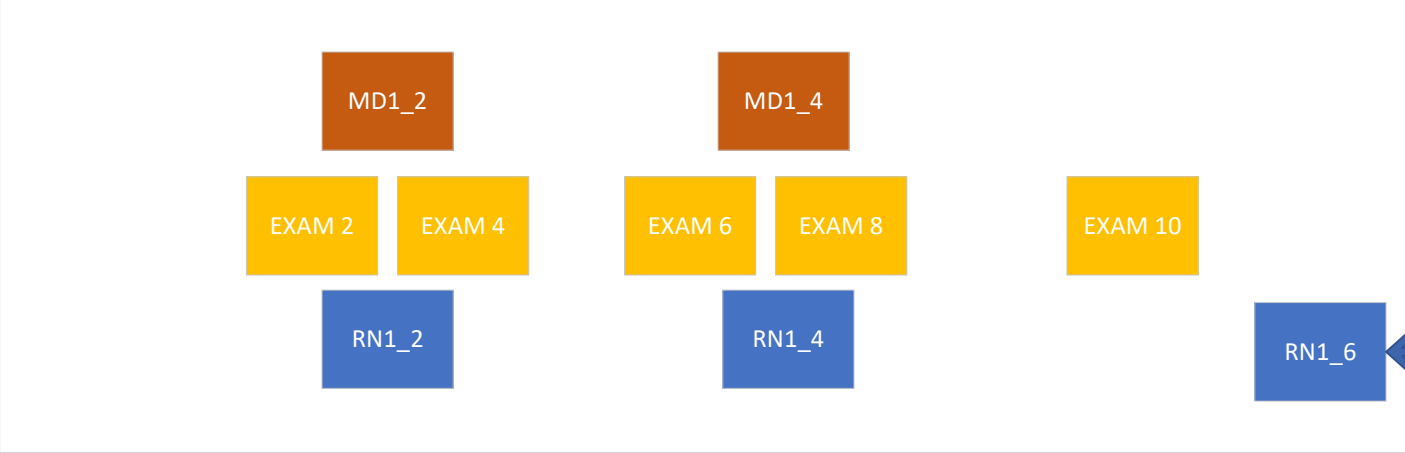|		
MD1	MD1_3	
EXAM 1 / EXAM 3	EXAM 5 / EXAM 7	EXAM 9
RN1	RN1_3	RN1_5
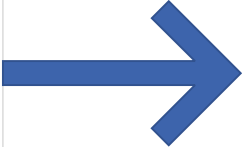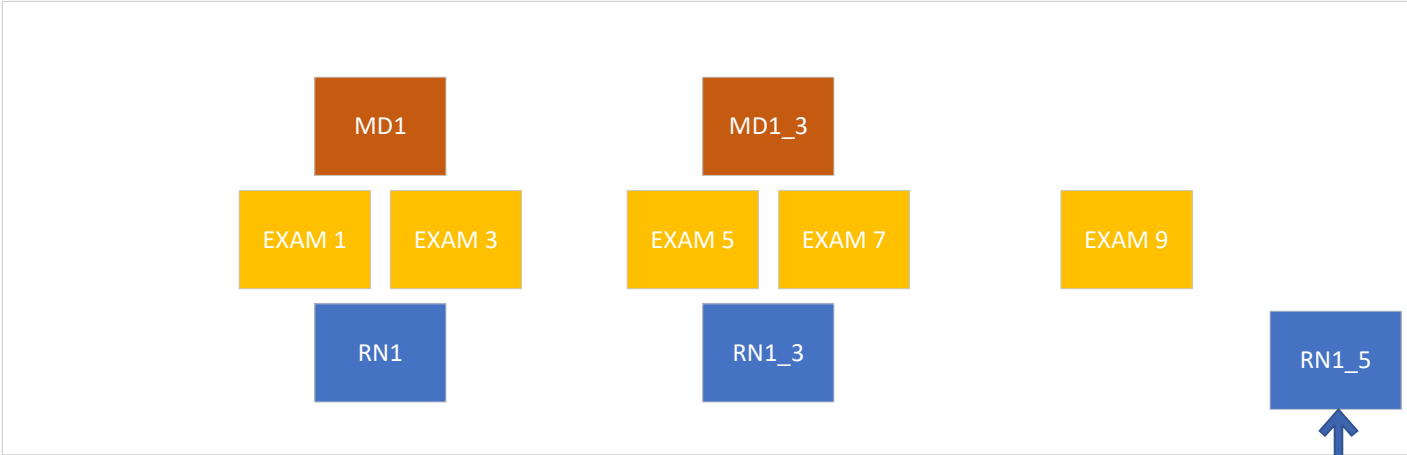
SEE PAGE 2

IN THE ASSIGNMENT EXAMPLE ON PAGE 2 ONLY STAFF & EXAM TABLES FROM THIS GROUP ARE CONSIDERED

RN1_5
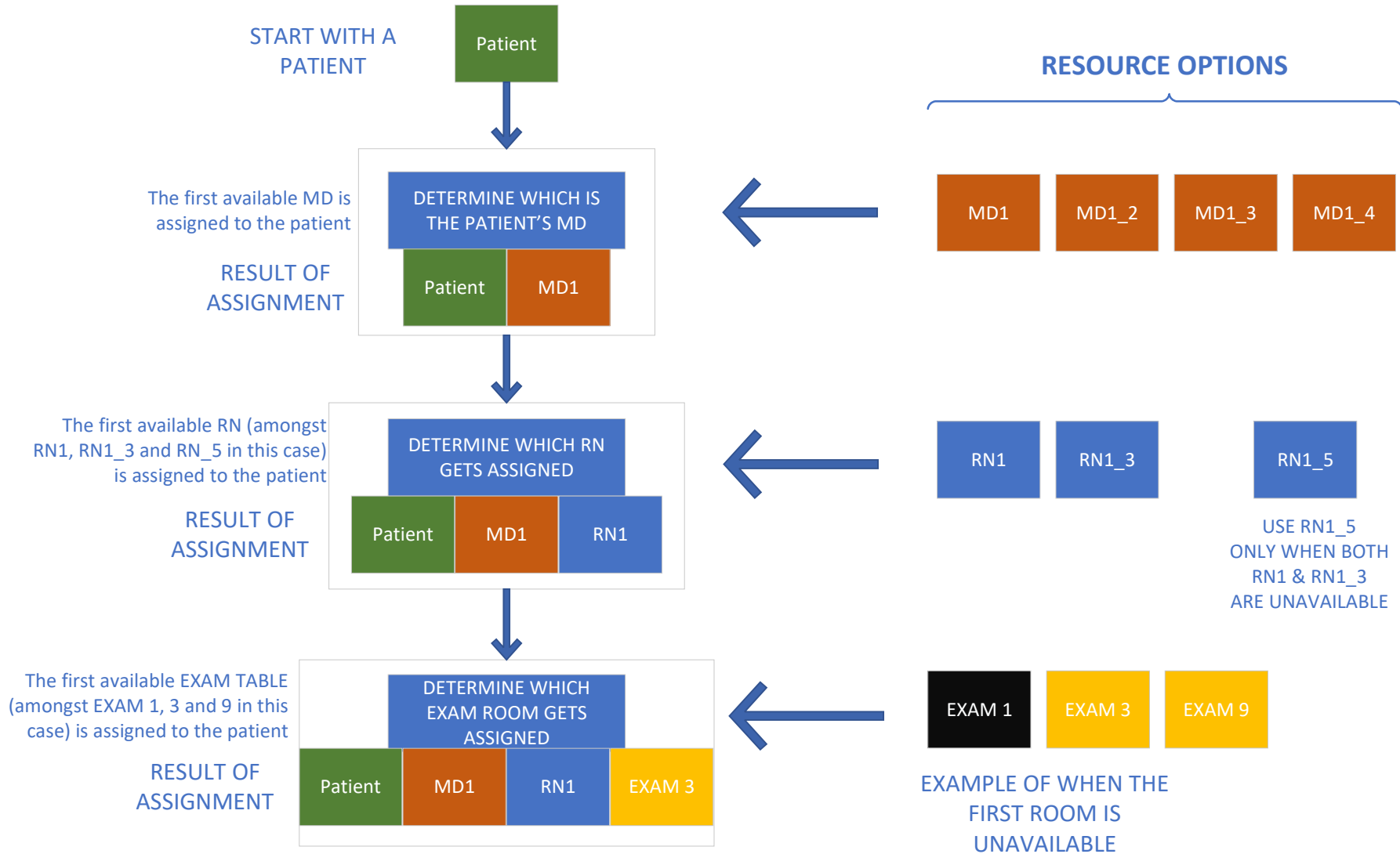IS ONLY REQUIRED IN SCENARIOS 03 & 04
(SEE PAGE 3)

EXAM ROOMS 2, 4, 6, 8, 10

MD1_2	MD1_4	
EXAM 2 / EXAM 4	EXAM 6 / EXAM 8	EXAM 10
RN1_2	RN1_4	RN1_6

RN1_6
IS ONLY REQUIRED IN SCENARIO 03
(SEE PAGE 3)

PAGE 2: EXAMPLE OF SEQUENCE OF ASSIGNING MD, RN AND EXAM TABLE

RESOURCE ASSIGNMENT BEGINS WITH PROVIDER, THEN MA, THEN EXAM ROOM

START WITH A PATIENT

Patient

RESOURCE OPTIONS

The first available MD is assigned to the patient

DETERMINE WHICH IS THE PATIENT'S MD

RESULT OF ASSIGNMENT

| Patient | MD1 |

| MD1 | MD1_2 | MD1_3 | MD1_4 |

The first available RN (amongst RN1, RN1_3 and RN_5 in this case) is assigned to the patient

DETERMINE WHICH RN GETS ASSIGNED

RESULT OF ASSIGNMENT

| Patient | MD1 | RN1 |

| RN1 | RN1_3 | RN1_5 |

USE RN1_5 ONLY WHEN BOTH RN1 & RN1_3 ARE UNAVAILABLE

The first available EXAM TABLE (amongst EXAM 1, 3 and 9 in this case) is assigned to the patient

DETERMINE WHICH EXAM ROOM GETS ASSIGNED

RESULT OF ASSIGNMENT

| Patient | MD1 | RN1 | EXAM 3 |

| EXAM 1 | EXAM 3 | EXAM 9 |

EXAMPLE OF WHEN THE FIRST ROOM IS UNAVAILABLE

Process Flow Scenarios

Singular parameter experiments

		SCENARIO 00	SCENARIO 01	SCENARIO 02	SCENARIO 03	SCENARIO 04
	Description	Baseline	Self-Rooming	Sync Times	1.5 MA / Provider	2.5 Exam Room / Provider
VARIABLES	Qty Exam Rooms	10	10	10	10	10
	Qty Providers	4	4	4	4	5
	Qty Medical Assistants	4	4	4	6	5
	Exam Room / Provider ratio	2.5	2.5	2.5	2.5	2
	MA / Provider ratio	1	1	1	1.5	1
	Communication	In-person notification	In-person notification	Tech notif. (Sync Times)	In-person notification	In-person notification
	Rooming	MA-Escorted Rooming	Patient Self-Rooming	MA-Escorted Rooming	MA-Escorted Rooming	MA-Escorted Rooming

LEGEND

FIXED
EXPERIMENTED
BASELINE

NOTE:
RN (Resigstered Nurse)
Should actually be called **MA** (Medical Assistant)
in the FlexSim models

THIS IS WHEN THE FOLLOWING ASSIGNMENTS MUST HAPPEN:

DETERMINE WHICH IS THE PATIENT'S MD

DETERMINE WHICH RN GETS ASSIGNED

DETERMINE WHICH EXAM TABLE GETS ASSIGNED

Source
▶ Arrived

Wait in Line then Sign In

‖ Wait In Line
🪑 Acquire Reception
🚶 Walk
⚙ Process
🪑 Release Reception

⬤ Waiting Line
🪑 Reception

🔺 Decide: Self-Room or Waiting Room

Wait

🪑 Acquire Waiting Room
🚶 Walk
▶ Waiting Room Start
🪑 Acquire Exam Table
👥 Acquire RN
🚶 Walk
🕐 RN Recieve Notification

🪑 Waiting Room

Bed Placement

🪑 Acquire Exam Table
🚶 Walk
👥 Acquire RN
🚶 Walk

🚶 RN Walk to Waiting Room
🕐 RN Pull Patient
▶ Waiting Room End
🪑 Release Waiting Room
‖ Escort Patient

👥 RN

🪑 Exam Table