

Sample Data for Project

If data for fields required in your sample database is not provided in this document, feel free to make something up

Test name	Alert thresholds	Normal range
Serum sodium	Value is greater than 140	130 – 140
Serum potassium	Value is greater than 5.5 and less than 4	4 – 5
Total cholesterol	None	0 – 180
Serum HCG	None	0 – 200000
Hemoglobin	Value is greater than 18 or less than 7	9 – 15
INR	Value is greater than 5 or less than 2	2.5 - 4.5
Blood urea nitrogen	Value is greater than 25 or less than 9	12 – 20
Red blood cell (RBC) count	Value is less than 2,000,000 cells per cubic mm	4,000,000 - 5,000,000
White blood cell (WBC) count	Value is less than 1,000 cells per cubic mm or more than 12,000 cells per cubic mm	3000 – 10,000
Urine sodium	Value is greater than 250	75-200

Note: These numbers are examples and are not intended to be realistic

Store the information on the following patients:

- i) ID: 00-223-45
First name: Manuel
Last Name: Jones
Date of birth: 1/1/1938
Gender: Male
Ordered by: Spencer Lott

Test name	Time performed	Time ordered	Urgency	Sample received time	Result
Serum sodium	1/1/2001 3 pm	1/1/2001 1 pm	3	1/1/2001 1.30 pm	137
Serum potassium	1/1/2001 3 pm	1/1/2001 1 pm	3	1/1/2001 1.30 pm	3.9
Total cholesterol	1/1/2001 4 pm	1/1/2001 1 pm	1	1/1/2001 1.30 pm	220

Alerts:

Alert for low serum potassium sent by page to Dr. Lott on 1/1/2001 at 3.03

- ii) ID: 00-345-12
First name: Sumeeta
Last Name: Sidhu
Date of birth: 11/30/1965
Gender: Female
Ordered by: Spencer Lott

Test name	Time performed	Time ordered	Urgency	Sample received time	Result
Hemoglobin	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	14.8
RBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	4,500,000
WBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	3000
Serum potassium	7/22/2001 11 am	7/21/2001 6 pm	1	7/21/2001 8 pm	4.2
Serum potassium	7/29/2001 10 am	7/29/2001 6.15 pm	1	7/29/2001 8.03 pm	5.2

iii) ID: 00-679-56
 First name: Angela
 Last Name: Winterbottom
 Date of birth: 11/30/1971
 Gender: Female
 Ordered by: Alicia Stone

Test name	Date performed	Time ordered	Urgency	Sample received time	Result
HCG	4/6/2001 2.30 pm	4/4/2001 3 pm	1	4/6/2001 7 am	254000
Serum potassium	7/1/2001 9 am	7/1/2001 8.11 am	3	7/1/2001 8.32 am	6
Serum potassium	7/10/2001 10 am	7/10/2001 8 am	3	7/10/2001 8.45 am	6.2

Alerts:

Alert for elevated serum potassium sent by page to Dr. Stone on 7/1/2001 at 9.10 am

Alert for elevated serum potassium sent by page to Dr. Stone on 7/10/2001 at 10.09 am

iv) ID: 00-543-27
 First name: Nita
 Last Name: Hassan
 Date of birth: 7/28/1969
 Gender: Female
 Ordered by: James Jones

Test name	Date	Time	Urgency	Sample	Result
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	performed	ordered		received time	
Blood Urea Nitrogen	5/7/2001 6.01 pm	5/7/2001 4 pm	1	5/7/2001 5.04 pm	27

Alerts:

Alert for elevated BUN sent by page to Dr. Jones on 5/7/2001 at 6.22 pm

- v) ID: 00-152-37
 First name: Aka
 Last Name: Omasumi
 Date of birth: 6/20/1953
 Gender: Female
 Ordered by: James Jones

Test name	Date performed	Time ordered	Urgency	Sample received time	Result
HCG	4/6/2001 2.30 pm	4/4/2001 3 pm	1	4/6/2001 7 am	250000
Serum potassium	7/1/2001 9 am	7/1/2001 8.11 am	3	7/1/2001 8.32 am	5
Urine sodium	8/12/2001 2 pm	8/12/2001 8 am	3	8/12/2001 8.45 am	267

Alerts:

Alert for elevated urine sodium sent by page to Dr. Jones on 8/12/2001 at 4.22 pm

- vi) ID: 11-545-45
 First name: Claire
 Last Name: Skye
 Date of birth: 11/20/1964
 Gender: Female
 Ordered by: Spencer Lott

Test name	Time performed	Time ordered	Urgency	Sample received time	Result
Urine sodium	6/12/2001 2 pm	6/11/2001 8 am	1	6/11/2001 8.45 am	253
RBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	4,600,000
WBC Count	6/12/2001 4 pm	6/12/2001 8 am	2	6/12/2001 11 am	4500
Serum potassium	7/21/2001 8 am	7/20/2001 6 pm	1	7/20/2001 8 pm	8
Serum	7/29/2001	7/29/2001	1	7/29/2001	5.2

potassium	10 am	6.15 pm		8.03 pm	
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Alerts:

Alert for elevated serum potassium sent by page to Dr. Lott on 7/21/2001 at 9.01 am

Physicians

- i. First name: James
Last Name: Jones
Date of birth: 6/9/1938
Gender: Male
Specialty: Nephrologist

- ii. First name: Alicia
Last Name: Stone
Date of birth: 8/4/1967
Gender: Female
Specialty: Obstetrician

- iii. First name: Spencer
Last Name: Lott
Date of birth: 2/28/1945
Gender: Male
Specialty: Internist

Urgency Levels

Level 1: Normal

Level 2: Urgent

Level 3: Stat