

Illustrative Example

Medical Database

Patient Medical Info		
Patient ID	Reason of Visit	Length of Stay
1	Cardiac Arrest	TBD
2	Brain Aneurysm	3d
3	Brain Aneurysm	2d
4	Cardiac Arrest	4d
5	Brain Aneurysm	2d
6	Brain Aneurysm	TBD
7	Cardiac Arrest	1w 2d
8	Cardiac Arrest	1w

Patient Info			
Name	Date of Entry	Date of Leave	Gender
John Smith	Oct 27, 2014	Oct 31, 2014	M
Mary Jane	Oct 22, 2014	Oct 31, 2014	F
Patty Patterson	Oct 24, 2014	Oct 31, 2014	F
Jimmy Jistle	Oct 28, 2014	Oct 31, 2014	M
Tony Tiger	Oct 29, 2014	Oct 31, 2014	M
Chris Campbell	Oct 29, 2014	Oct 31, 2014	M
Fiona Fastener	Oct 25, 2014	TBD	F
Horus Harvey	Oct 20, 2014	TBD	M

Illustrative Example

Medical Database

Patient Medical Info		
Patient ID	Reason of Visit	Length of Stay
1	Cardiac Arrest	TBD
2	Brain Aneurysm	3d
3	Brain Aneurysm	2d
4	Cardiac Arrest	4d
5	Brain Aneurysm	2d
6	Brain Aneurysm	TBD
7	Cardiac Arrest	1w 2d
8	Cardiac Arrest	1w

Patient Info			
Name	Date of Entry	Date of Leave	Gender
John Smith	Oct 27, 2014	Oct 31, 2014	M
Mary Jane	Oct 22, 2014	Oct 31, 2014	F
Patty Patterson	Oct 24, 2014	Oct 31, 2014	F
Jimmy Jistle	Oct 28, 2014	Oct 31, 2014	M
Tony Tiger	Oct 29, 2014	Oct 31, 2014	M
Chris Campbell	Oct 29, 2014	Oct 31, 2014	M
Fiona Fastener	Oct 25, 2014	TBD	F
Horus Harvey	Oct 20, 2014	TBD	M

Conjecture

With a certain confidence, we can claim that **John Smith** came in with **Cardiac Arrest**.