



WPH is a private hospital with a reputation for providing **High Quality** Healthcare services to its patients.

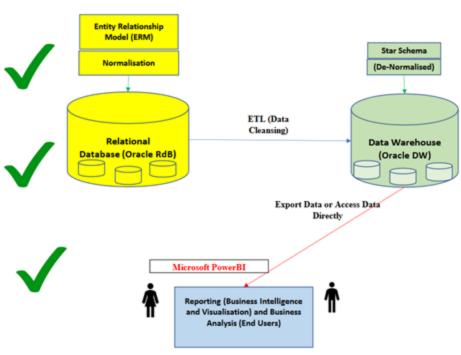
Team T11A-02 has created:

An Entity Relationship Diagram that effectively conveys the relationships between patients, staff members, and administrators.

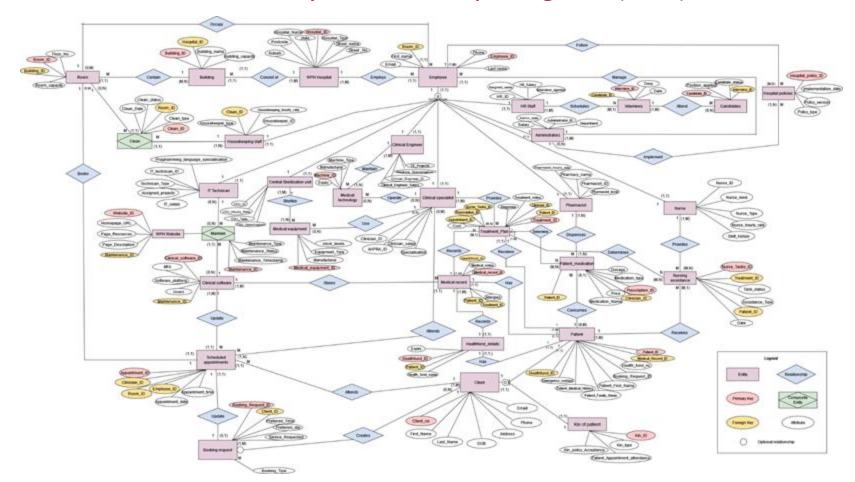
A Relational Schema that efficiently captures data transfers that are necessary for providing high quality services.

❖ A Materialized View that enables Data Analysis, that can be used to improve the efficiency & quality of operations.

Data Warehouse



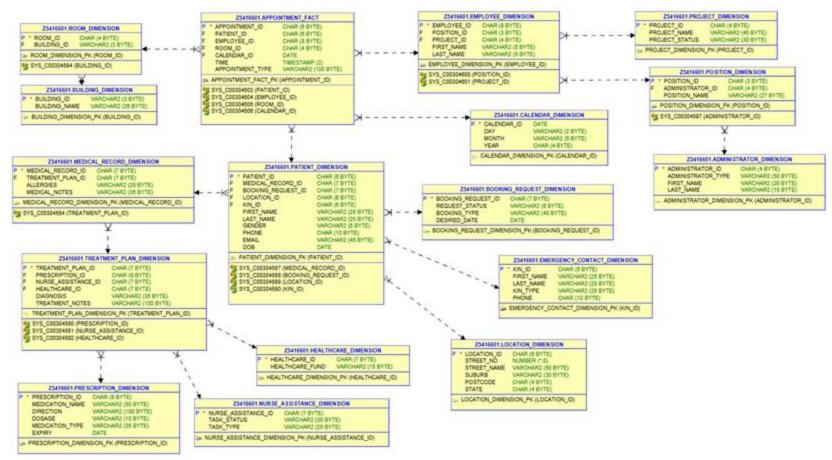
>Entity Relationship Diagram (ERD) ←





Snowflake Schema <

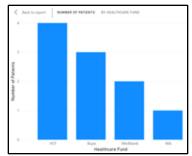


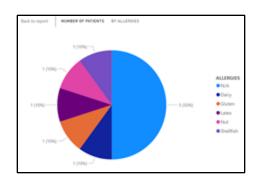


★ Materialised View & Data Analytics ★

() PA	TIENT_ID	GENDER	HEALTHCARE_PUND	() LOCATION_ID	⊕ SUBURB	POSTCODE	STATE	ALLERGIES	() DEAGNOSES	MEDICATION_NAME	() MEDICATION_TYPE	() APPOINTMENT_TYPE	() CALENDAR_ID	() EMPLOYEE_3D	® POSITION_NAME	() ADMINISTRATOR_ID	@ ADMINISTRATOR_TYPE
1 P128	873	Male	Medibank	L12873	Fogazah	2217	NSW	Muc	Influenza	Zanamivit	Tablet	GP Consultation	12/849/23	EMP1001	General Practitioner	AD10	GP Administrator
2 P319	913	Male	Bupa	L31913	Bonang	3000	VIC	N/A	Pneumonia	Amoxicillin	Capsule	Emergency Care	09/AFR/23	EMP1007	Pulmonologist	AD15	Pulmonology Administrator
3 P366	642	Male	Bupa	136642	Coogee	2034	NSW	Shellfish	Eczema	Triemcinolone	Teninal Sintment		09/406/22				Dermatology Administrator
4 P500	085	Female	HCF	L5000S	Lindfield	2070	NSW	Gluten	Parkinson Disease	Levodopa	Tables						Neurology Administrator
5 7652	209	Male	HCF	165209	Abbotsbury	2176	NSW	Dairy	Hypertension	Telmisartan	Tablet	Monthly Check up	06/JUN/23	EMP1001	General Practitioner		GP Administrator
6 2069	956	Male	Nib	100956	Randwick	2031	NSW	N/A	Appendicitis	Lidocaine	Injection	Surgery	20/JUN/23	EMP1004	Surgeon	AD12	Surgery Administrator
7 2090	005	Male	Bupa	189005	Ingleburn	2565	NSW	N/A	Gastric Ulcer	Pantoprazole	Tablet		26/JUN/23	EMP1010	Gastroenterologist		Gastroenterology Administrat
8 9927	758	Male	Medibank	192758	Vestmead	2145	NSV	N/A	Thyroid disease	Levothyroxine	Tables.	Endocrinologist appointment	10/AFF/23				Endocrinology Administrator
9 P937	741	Male	HCF	193741	Matraville	2036	NSV	N/A	Breast Cancer	Chemotherapy	Chamatharana			EMP1005	Radiologist	AD13	Radiology Administrator
10 2970	004	Female	HCF	197884	Braddon	2612	ACT	Latex	Lymphome	Chemotherapy	Chemotherapy					AD14	Oncology Administrator



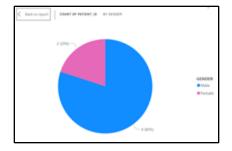






NUMBER OF APPOINTMENTS	Year	Month
1	2022	August
1	2023	March
3	2023	April
2	2023	May
3	2023	June
10		

NUMBER OF PATIENTS	STATE
1	ACT
8	NSW
1	VIC
10	



PATIENT_ID	ALLERGIES	DIAGNOSIS	MEDICATION_NAME
P12873	Nut	Influenza	Zanamivir
P31913	N/A	Pneumonia	Amoxicillin
P36642	Shellfish	Eczema	Triamcinolone
P58085	Gluten	Parkinson Disease	Levodopa
P65209	Dairy	Hypertension	Telmisartan
P86956	N/A	Appendicitis	Lidocaine
P89005	N/A	Gastric Ulcer	Pantoprazole
P92758	N/A	Thyroid disease	Levothyroxine
P93741	N/A	Breast Cancer	Chemotherapy
P97884	Latex	Lymphoma	Chemotherapy

Thank You.