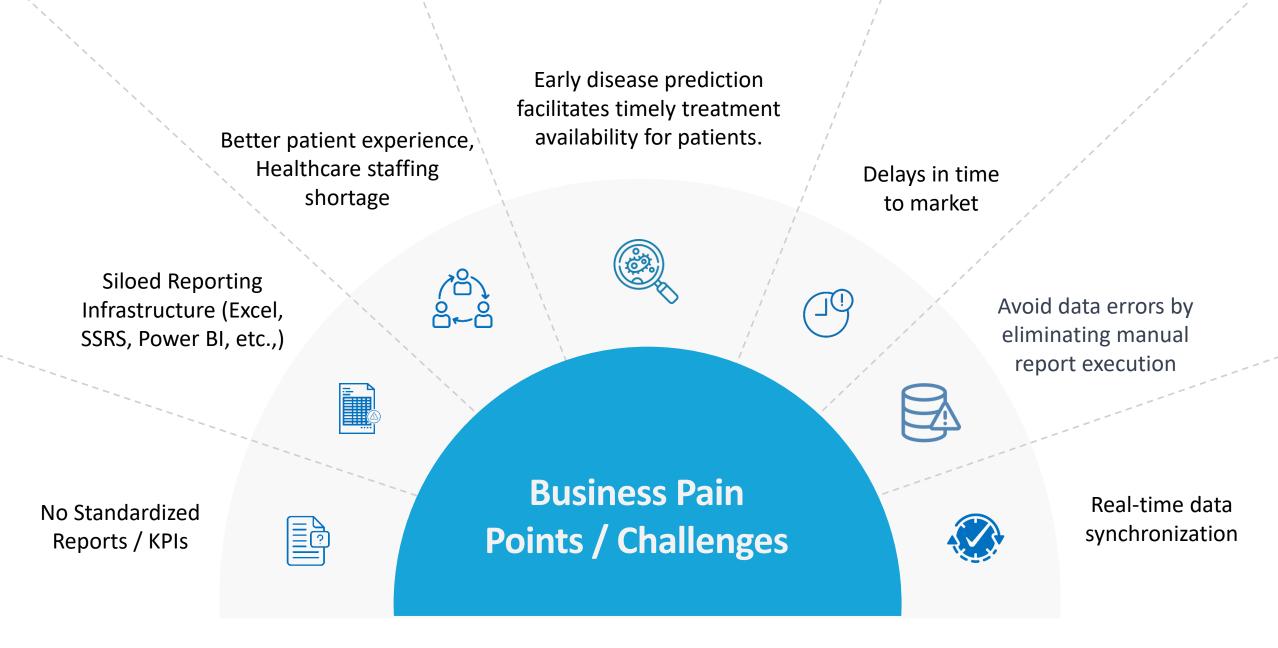
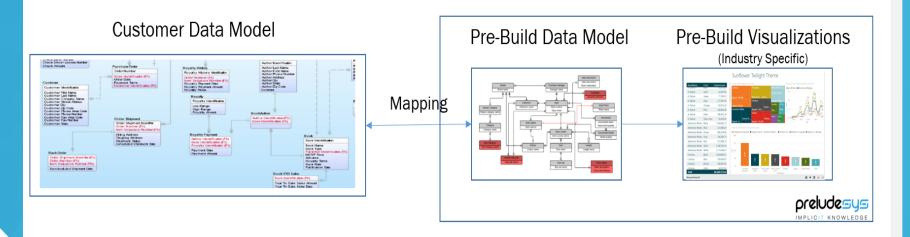
preludesys

Power Bl Healthcare Dashboard Accelerator





Industrial Insights Accelerator



Highlights:

- Pre-Build Data Model & Visualizations were developed in reference to extensive research and analysis through healthcare experts.
- Quick to plug-in the Customer Data Model with Pre-Build Data Model through mapping key dimensions and measures (metrics) using Power BI Dataflows.

- Equipped to enhance data model to address customer specific reporting demands.
- Inbuilt accurate Stroke prediction using Decision tree algorithm, Disease prediction using SVC, random forest classifier and Naïve Bayes.

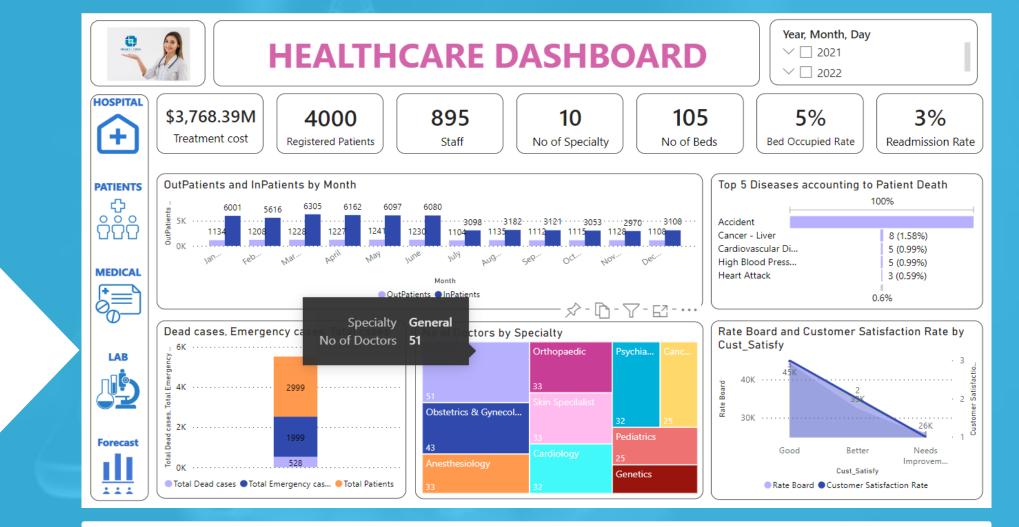
- Centralized with standard reporting structure for all the healthcare sub-functions (Hospital, Patients, Medical, Lab, Disease Forecast), with a functional coverage of 45-60%*
- Efficient Hospital and Patient Management through insightful reporting. Inpatient and Outpatient information is available distinctively.

✓ Extensive Collaborating and sharing features of Power BI

- Monitor and forecast the disease trend in the hospital to have necessary treatment readily available to patients at the right time.
- Highly improved performance (in comparison with Excel & SSRS)
- Crucial KPIs like Bed occupied rate, Readmission rate, Drug cost per stay are captured.

* Functional coverage range varies based on the domain areas

Quick Wins - Industrial Insights Accelerator (IIA)

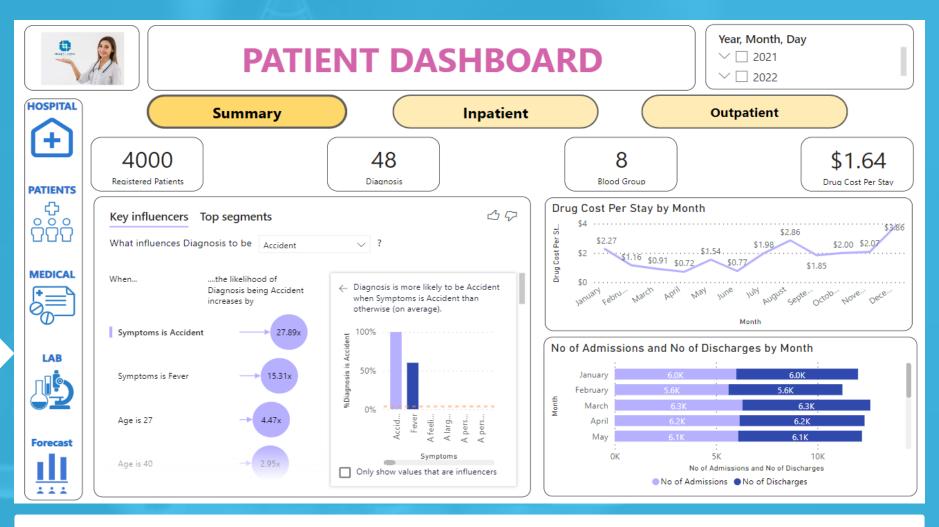


Key Insights:

- Customer satisfaction Rate based on Patient Satisfaction on Hospital Service.
- ✓ Insightful KPIs like Bed Occupied Rate , Readmission Rate, Treatment Cost .
- ✓ Interactive filter selection at Time Period.

Healthcare Dashboard

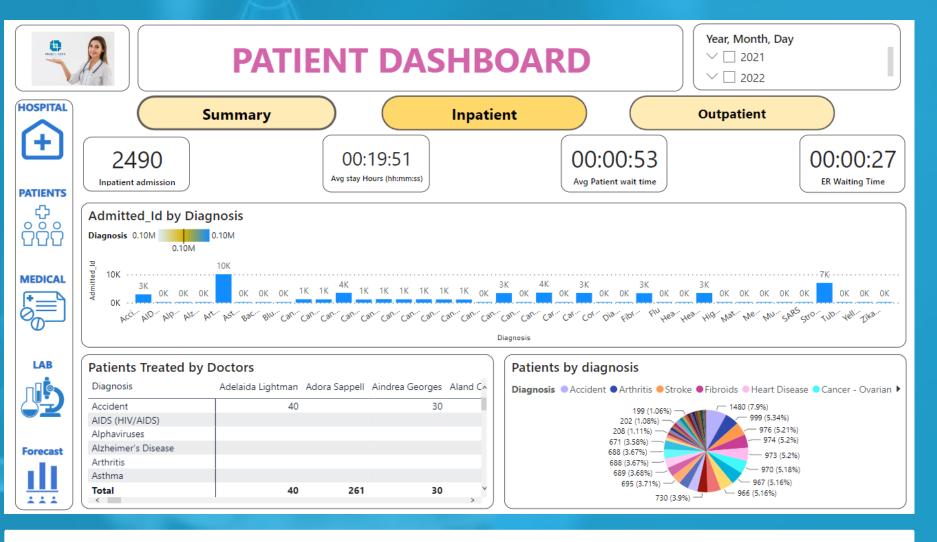
Patient Summary Dashboard



Key Insights:

- Insightful Visual to study the factors/symptoms leading to Different Diagnosis.
- Insightful KPI's like Patients Details and Drug cost per Stay.
- Interactive filter selection at Time Period.

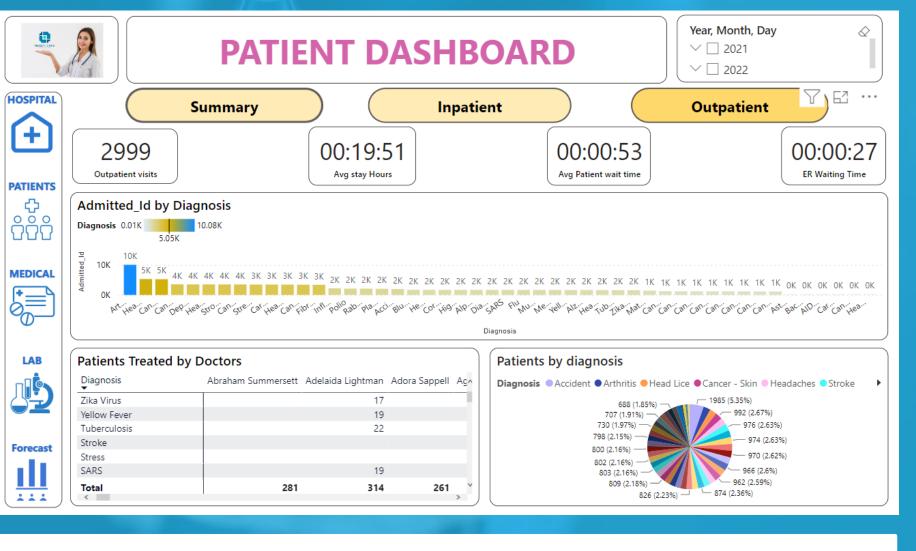
Inpatient Dashboard



Key Insights:

- Insightful KPI's like Inpatient Admission Count, Avg stay Hours, Avg Patient wait time and Emergency Room (ER) waiting time.
- Inpatient details on Bar Graph Visual.

Outpatient Dashboard



Key Insights:

Insightful KPI's like Outpatient Admission Count, Avg stay Hours, Avg Patient wait time and Emergency Room (ER) waiting time.

preludesys

✓ Outpatient details on Bar Graph Visual.



MEDICAL DASHBOARD

Year, Month, Day ∨□ 2021

∨□ 2022

Medical Dashboard

	9.72K ledicine Cost	\$8.98K Unit cost		16 Manufacturing company	174 No of Medi	-	10K Availability		
Medicine	Id Medicine Name	No of A	wailable Unia 85	1/1/20	21	7/11/	2022		
7 10 21	ALBUTEROL SUL 2.5 MG/3 ML SOLN ALENDRONATE SODIUM 35 MG TAB		44 49		Earliest Date_of_Manufacture		Earliest Date_Of_Expiry		
22 27 28	Aminocaproic Acid Amiodarone AMITRIPTYLINE HCL 50 AMLODIPINE BESYLATE		64 25 36 38	Medicine Name		Cost by Medicine			
29 30	AMLODIPINE BESYLATE AMLODIPINE BESYLATE	2.5 MG TAB 5 MG TAB	99 21	ALBUTEROL SUL 2.5 N		\$996	Medicine M Tizanidin Interfero.		
31 34 39	AMOX TR-K CLV 500-125 MG TAB AMOXICILLIN 250 MG CAPSULE ANASTROZOLE 1 MG TABLET		20 36 59	Aminocaproic Acid Amiodarone		\$947 (9.76%) \$9 \$991			
40 42 43	Anti-Inhibitor Coagulant Apixaban Aprepitant	Complex (FEIBA)	43 23 93	AMITRIPTYLINE HCL 5 AMICODIPINE BESYLAT		(9) \$958 (9)	\$9● Leucovor (1)● Tadalafil \$974		
45 48	Asparaginase Atenolol		72 90		TE 2.5 MG TAB	\$972 (10.02%)	(10.0) Fenofibra		
57 60 Total	ATORVASTATIN 80 MG T	ABLET	91 <u>43</u> 10462 \$ [∨]		125 MG TAB		 Clofarab Erythrom 		

Key Insights:

- KPIs like Total Medical Cost, Unit Cost, Manufacturing company count, No of Medicine availability and Quantity availability. \checkmark
- Medicine names and its Availability. \checkmark
- Cost of Medicines shown in Pie chart. \checkmark
- Manufactured Date and Expiry date of Medicine \checkmark



		LAB	DASHBO	DARD	Year, Month, Day ✓ □ 2021 ✓ □ 2022			
HOSPITAL	Available lab Test	999 Examined Patients	\$133.93N Total Lab Charge		83.45M tient Lab Charge	\$1.94M OutPatient Lab Char		
PATIENTS	TestName by Amount			Examined patients by TestName				
	TestName Angioplasty MRI- Full Angiography MRI - Head CT Scan - Full Body CA-125 (Tumor Marker) Test Colonoscopy CT Scan - Head CT Scan - Stomach	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nit lab charge Total lab \$280,000 \$25,000 \$20,000 \$12,000 \$12,000 \$10,000 \$5,300 \$5,040 \$5,000 \$5,000	1 (0.85%) 1 (0.85%) 1 (0.85%) 1 (0.85%) 1 (0.85%) 1 (0.85%) 1 (0.85%) 1 (0.85%)	(0.85%) - 1 (0.85%) 1 (0.85%)	TestName ACTH (Adreno Corticotr AEC (Absolute Eosinophi AFP (Alpha Feto Protein) Albumin Test Alkaline Phosphatase (A Amylase Test		
	Gastroscopy Ultrasound Sigmoidoscopy Kidney / Renal Function Test CD4 Test Echo	1 1 1 1 1 1	\$4,040 \$3,000 \$2,190 \$2,000 \$1,800 \$1,500	Total Tests on Date	577 491 498 244 393 848 306 94			
Forecast	PTH (Parathyroid Hormone) Test HCV Antibody Test ACTH (Advance Continuation Hor Total	1 1 1 30	\$1,400 \$1,350 \$436,011 \$'V	2 1 84 113 0 Jan 2021 Jul 2021	Jan 2022 Test Date	····· 0		

Key Insights:

- KPIs like total lab Test, total Lab charge, unit lab charge, Inpatient lab charge, outpatient lab charge & examined Patients .
- Examined Patient On basis of Lab test shown in Pie chart.
- ✓ Lab Test by dates in Line chart
- ✓ Lab Test Details By amount in Tabular Chart

* Data in reports is only for illustration purposes.

Dashboard

Lab

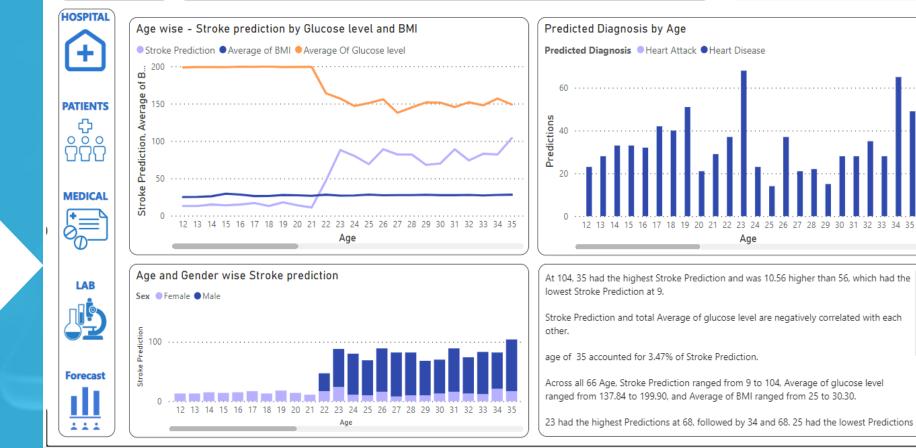


FORECAST DASHBOARD

Predicted Diagnosis

Accident

AIDS (HIV/AIDS)



Key Insights:

- Stroke prediction by Decision tree algorithm, Disease prediction by Random Forest Algorithm.
- ✓ Smart narration on Disease prediction.

Forecast

Dashboard

Thank You!