

Cardio-Insight-AI: Cardiovascular Risk Analytics



Distribution of CVD Risks by BMI Band

bmi_band	Count	Percentage
overweight	12K	36.67%
obese	11K	33.02%
normal	10K	29.81%
underweight	0K	0.5%

Distribution of CVD Risks by Age Band

age_band	Count	Percentage
50-59	17K	50.66%
60-69	10K	29.85%
40-49	7K	19.19%
30-39	0K	0.29%

Risk Funnel: From Population to Events

Category	Count	Percentage
Total Patients	69K	100%
CVD Events	34K	49.48%
Hypertensive	24K	34.29%
High Cholesterol	17K	25.01%

Cholesterol & Glucose Pattern Analysis

cholesterol_cat	above_normal	normal	well_above_normal
normal	25.45%	92.90%	0.00%
above_normal	25.45%	70.56%	0.00%
well_above_normal	25.45%	50.58%	43.04%

Observed CVD Risk % by BP_Systolic_Band

BP_Systolic_Band	Observed CVD Risk %
Stage 2 (>=160)	~85%
Stage 1 (140-159)	~80%
Pre-HTN (120-139)	~45%
Normal	~25%

Hypertension Distribution by Age Group

age_band	Count
50-59	12.1K
60-69	6.8K
40-49	4.6K
30-39	0.1K

Patient Risk Explorer & Clinical Drilldown

