

Vitamin A High-Risk Screening Dashboard

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- Project Presentation
 - Tools Used: Python, Pandas, Streamlit, Matplotlib

Project Objective

- Identify individuals aged above 30 years
 - Risk Score greater than 3
 - Consent provided (q2 = Yes)
 - Analyze facility-wise high-risk distribution

Data Understanding

- Dataset contains 110 columns
 - Key Variables Used:
 - q2 → Consent
 - q7 → Age
 - q46 → Risk Score
 - health_facility → Facility Code (mapped using Codebook)

Key Insights

- Total High-Risk Individuals: 2293
 - Highest Burden Facility: CHC Rajgarh (30.7%)
 - Top 3 Facilities contribute ~64% of total high-risk cases
 - Data supports targeted resource allocation

Dashboard Features

- Interactive facility filter
 - KPI summary cards
 - Facility-wise distribution chart
 - Age and Risk score distribution
 - Downloadable filtered dataset

Vitamin A High-Risk Screening Dashboard

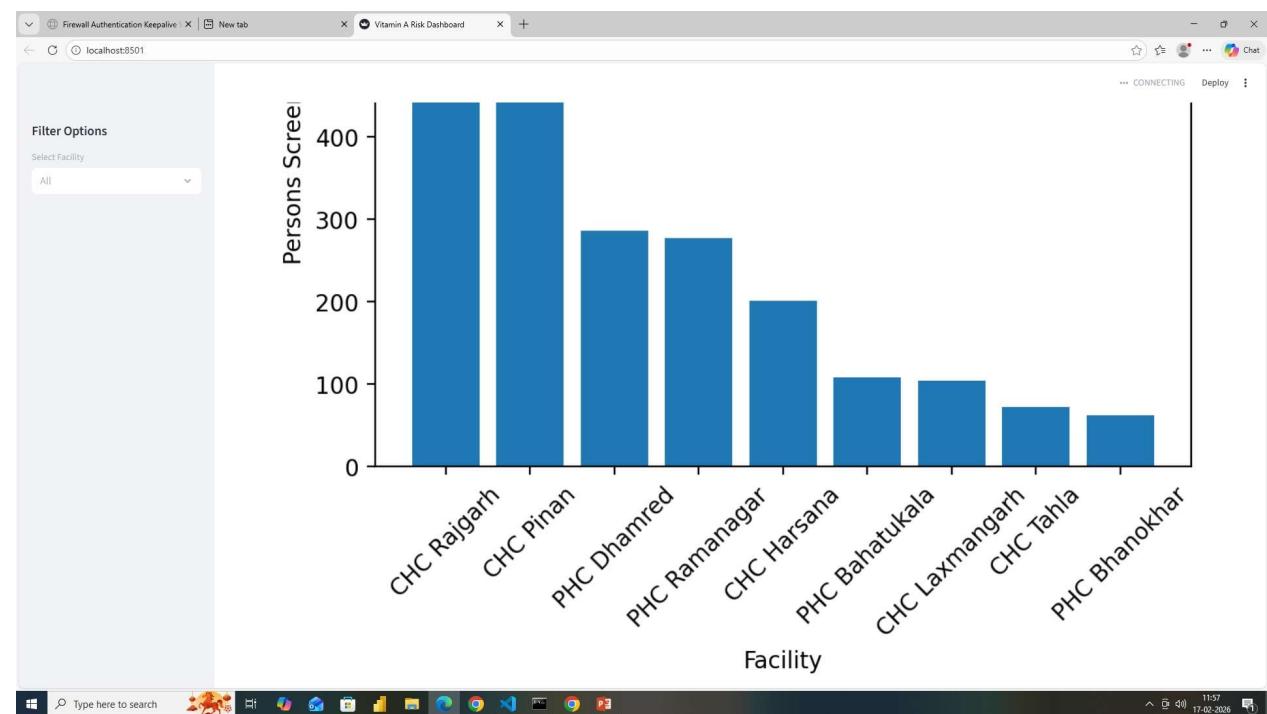
This dashboard shows individuals aged above 30 years with Risk Score > 3 who have provided consent.

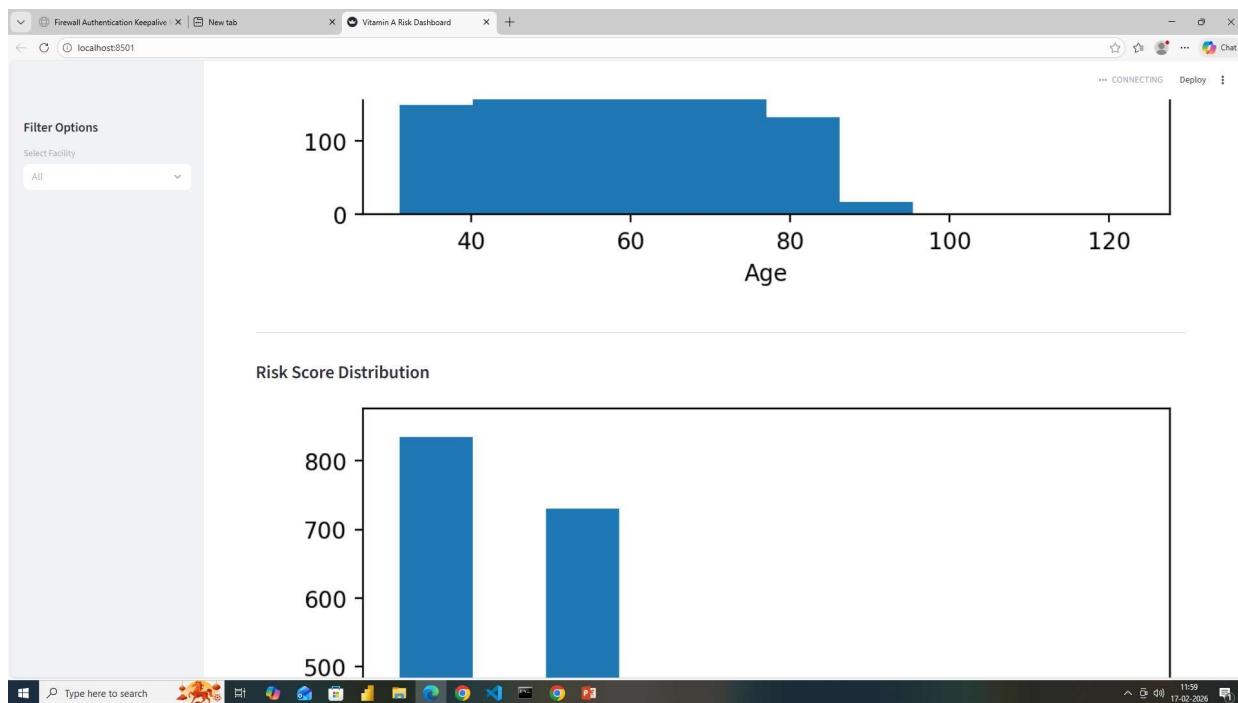
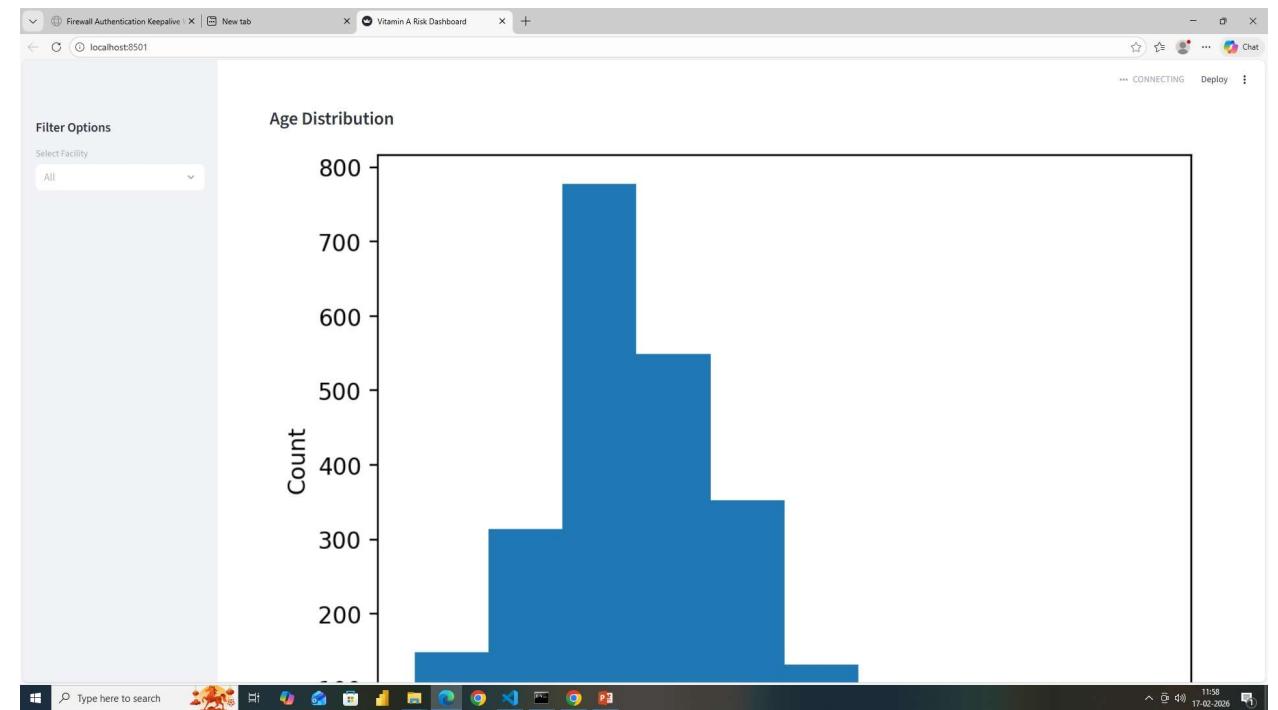
Total High-Risk Individuals: 2293 Facilities Covered: 9

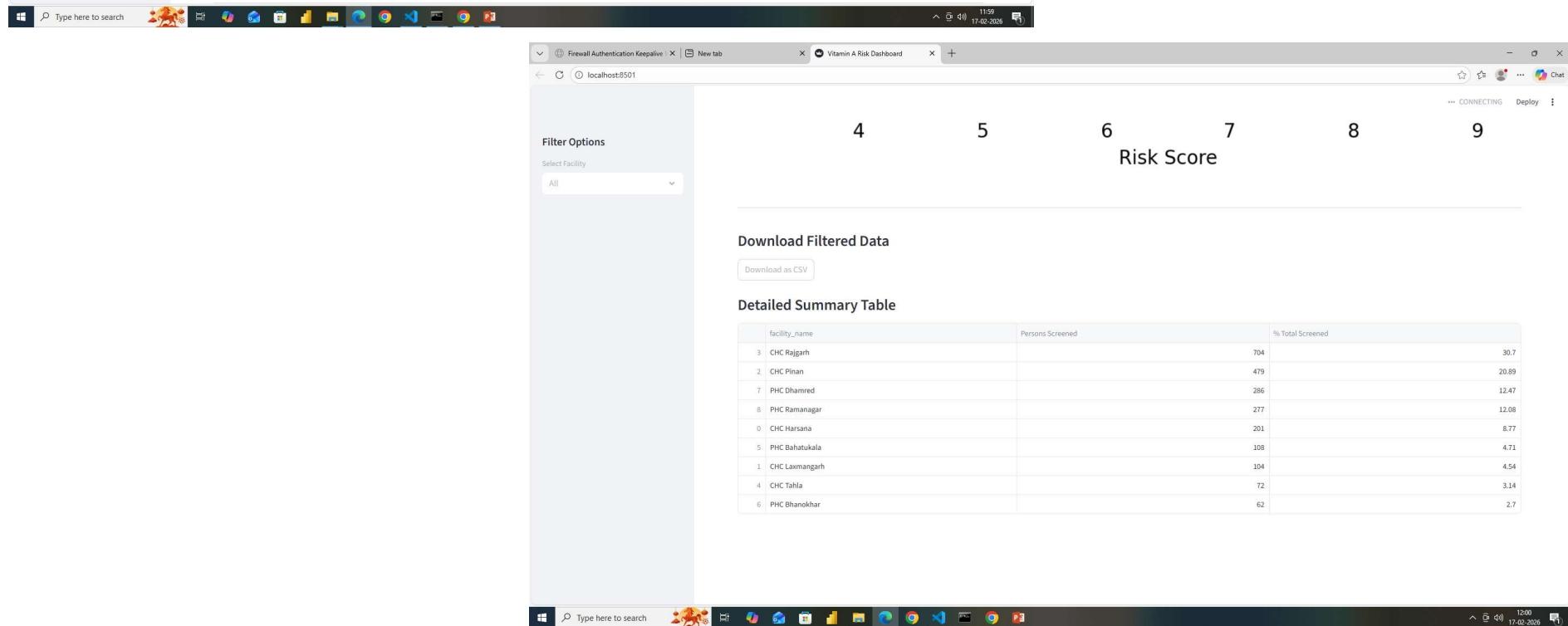
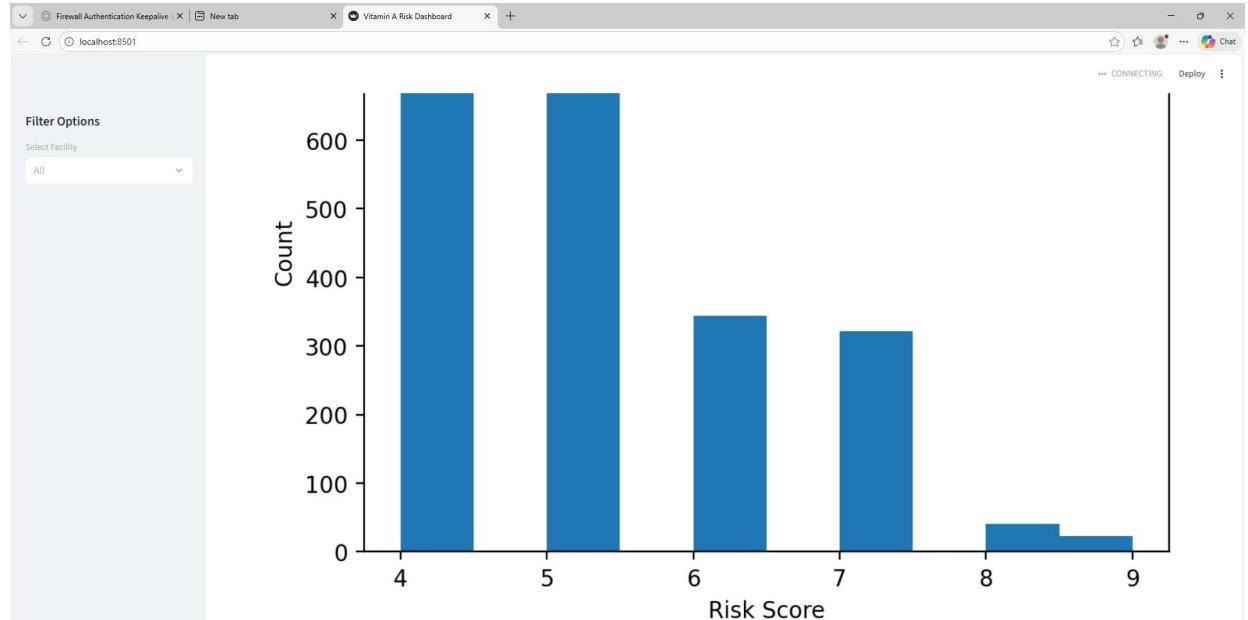
Facility-wise High Risk Distribution



Facility	Screened
CHC Rajgarh	~700
CHC Pinan	~480







Conclusion

- High-risk concentration observed in select facilities
 - Dashboard enables quick monitoring and decision-making
 - Data-driven approach improves public health targeting