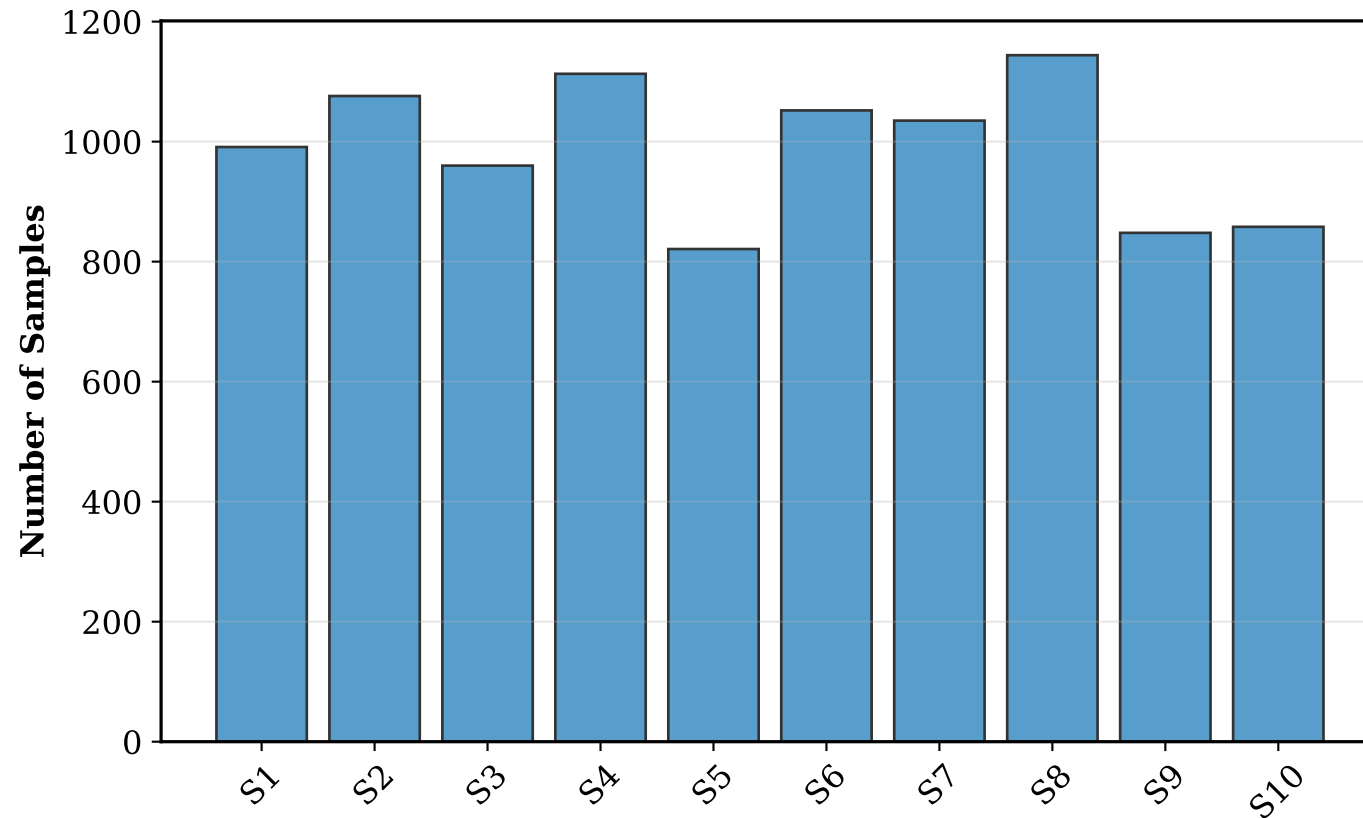
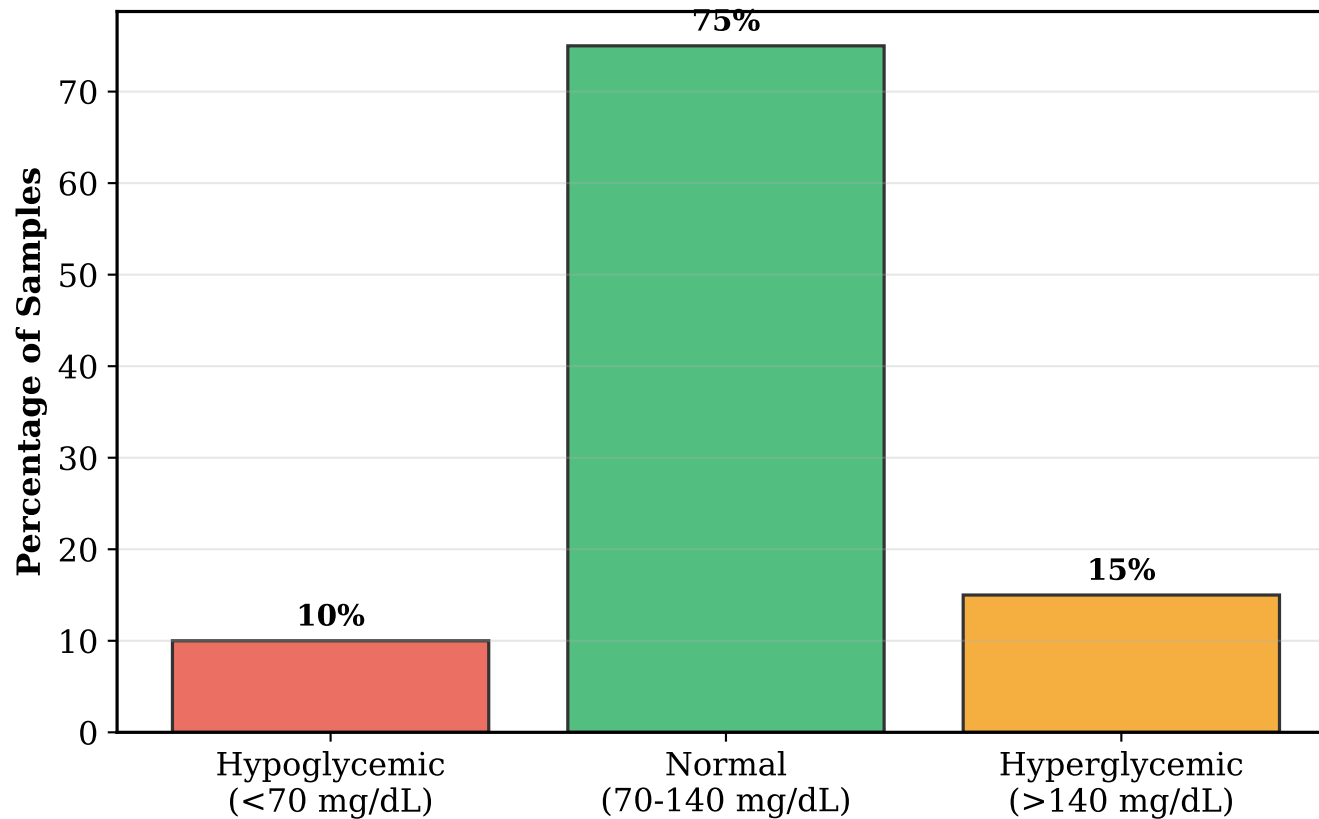


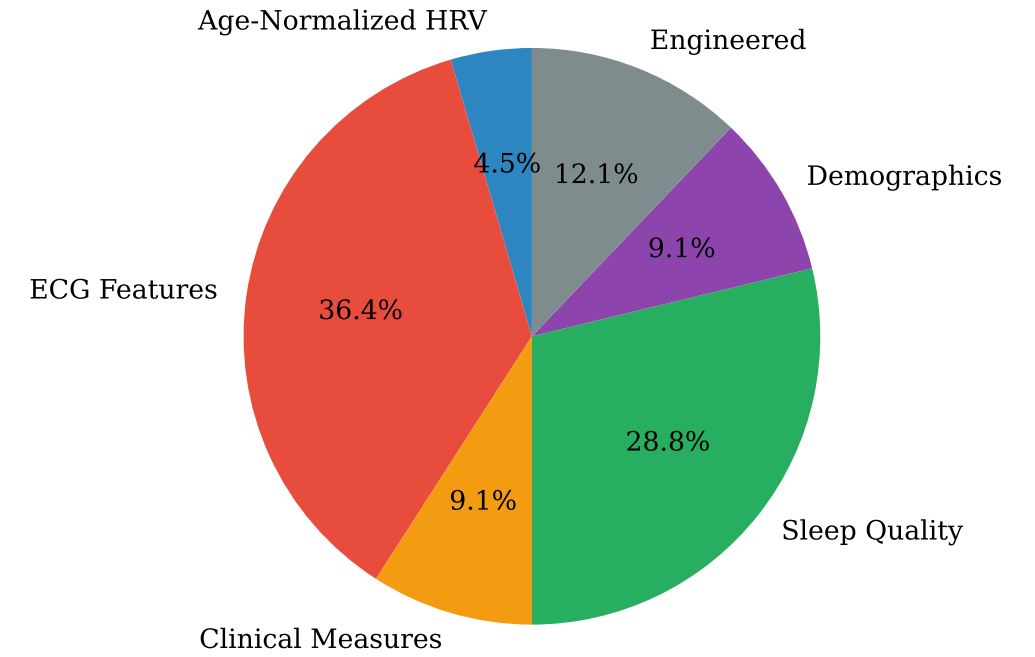
**Sample Distribution per Subject**  
(Data Completeness)



**Glucose Range Distribution**  
(Clinical Relevance)



**Feature Category Distribution**  
(Total: 66 Features)



### Methodology Overview

1. Data Loading & Preprocessing
2. Age-Normalized Feature Engineering
3. Multi-Modal Feature Selection
4. Cross-Validation Model Training
5. Systematic Ablation Validation
6. Statistical Significance Testing