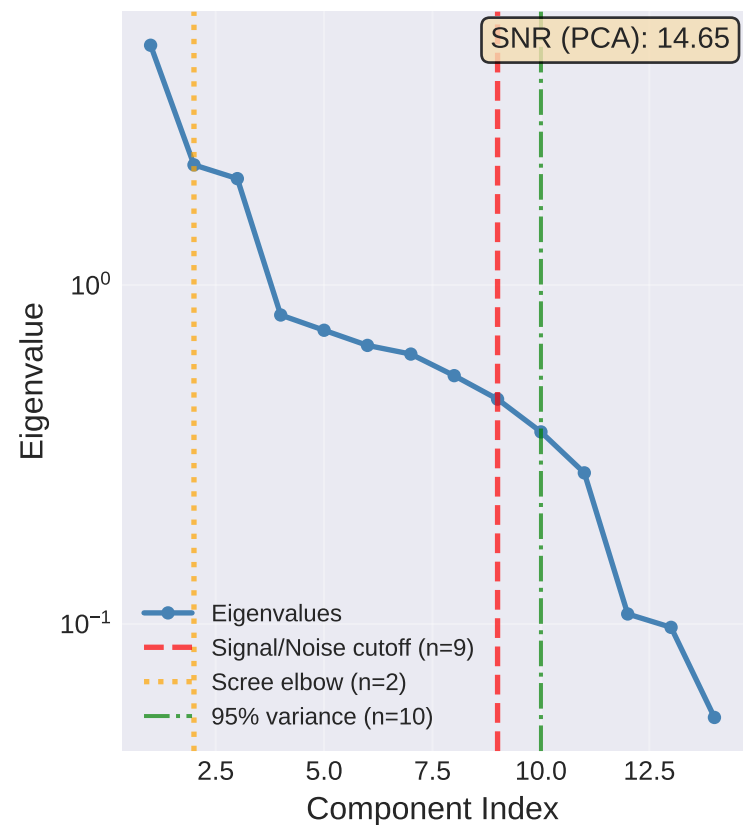
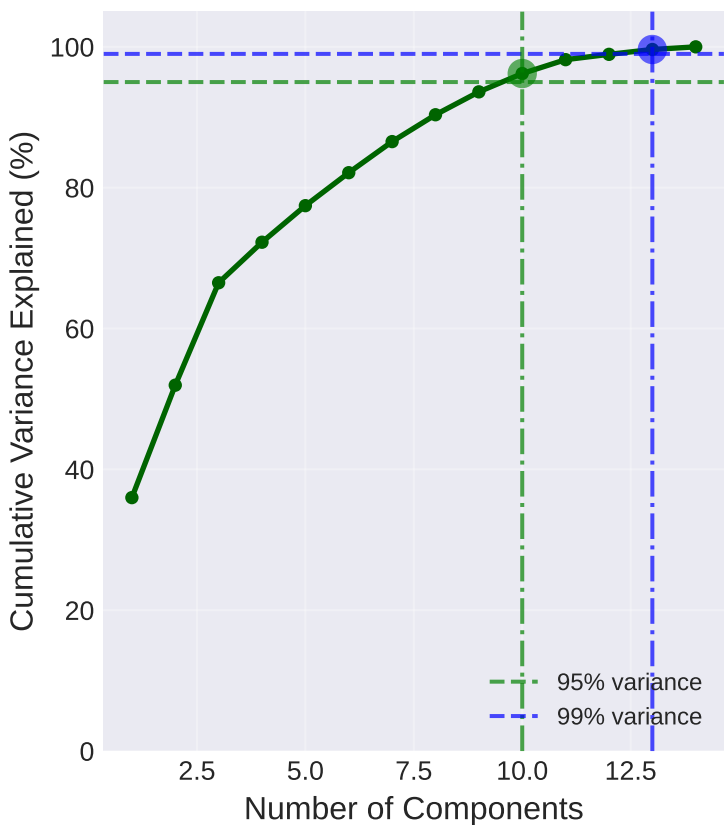


Signal-to-Noise Ratio Analysis - Clinical Data

Scree Plot - Clinical Data



Cumulative Variance - Clinical Data



SNR Analysis Summary

Signal Quality:

High (SNR > 10): Strong signal, low noise

SNR Estimates:

PCA-based: 14.65

Variance-based: 0.00

Effective Dimensionality:

95% variance: 10 PCs

99% variance: 13 PCs

Scree elbow: 2

Recommendations:

K range: 2-8 (signal supports more factors)

Prior strength:

WEAK priors ok (SNR > 5): Data-dependent τ_0 may suffice

Convergence:

GOOD: High SNR + well-defined subspace