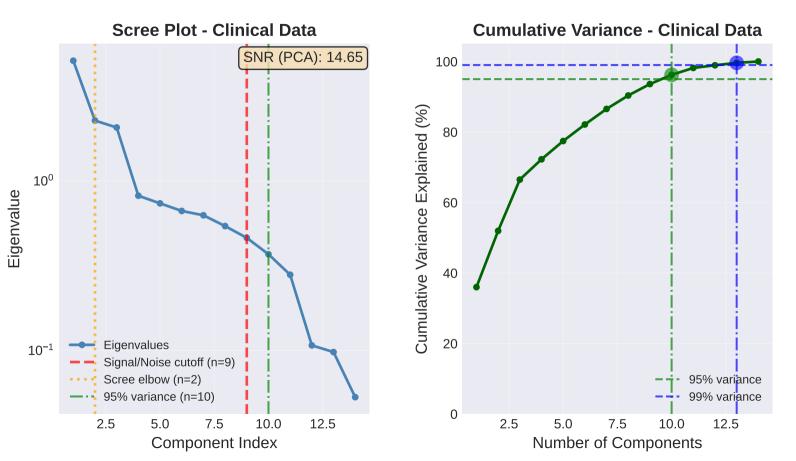
Signal-to-Noise Ratio Analysis - Clinical Data



```
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 \tau_0 may suffice
Convergence:
 GOOD: High SNR + well-defined subspace
```