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- ☐ **Prevnar: Conjugated, 13-valent, T-independent**
- ☐ **Pneumovax: Unconjugated, 23-valent, T-dependent**
- ☐ **Dx: Vaccinate**
  - ☐ **CDC recs for adults: Prevnar f/b Pneumovac (better memory)**
  - ☐ **Diagnostic for SAD: Pneumovax (titers before/after), wait 6 months, check memory, give Prevnar if needed**
- ☐ **Look for >1.3 or 2-4 fold increase titer, ideally 50-75% of strains improve**
- ☐ **Tx: Prophylactic ABx and IVIG**
- ☐ **Management: Monitor progression to CVID**

# Research Questions

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