

For the primary end point of a decrease of at least ***100 points*** in the CDAI score at both weeks 6 and 26, we estimated that ***302 patients*** were needed to provide a ***power of 85%*** to detect a ***difference of 15%*** between study groups in response rates in patients with a baseline CRP level of at least 10 mg per liter, assuming a ***rate of response of 30% in the certolizumab group and 15% in the placebo group.***

- Reproduce power calculation using PS software
- Compare calculation to a calculation where CDAI is treated as continuous
  - Assume a 100 point drop is clinically important
  - A standard deviation is not given. CDAI ranges from 0 to 700 with usual sigma of around 200.
  - Plot power curves for different values of sigma