Annual volume standards for lumbar fusion
Discussion document

1. Current Bree standard for LF
   - Surgeon 20 surgeries in previous 12 months
   - Facility: no requirement
   - Bree standard for joint replacement: 50S/100F

2. Dartmouth/Hopkins/Michigan policy: non-LF surgery
   - Hip/Knee: 25/50
   - Ratio for others often x/2x (bariatric, lung, mitral valve repair, carotid stenting)

3. Martin: LF
   - No difference in repeat surgery or complication rate among surgeon volume quartiles when lowest volume quartile was 29 LF in prior year
   - No clear statement on facility volume

4. Schoenfeld: lumbar spine procedures, Florida, 187K surgeries, 5500 surgeons, and 178 facilities
   - 63% increase in risk of complications under annual surgeon procedure volume of 43 interbody fusions or 35 posterolateral fusions
   - Recommendation of authors
     - 48 interbody fusions/surgeon/yr
     - 36 posterolateral fusions/surgeon/yr
   - Silent on facility volume

Proposal for 2018 version of Bree lumbar fusion bundle
   - 30 LF/surgeon/yr
   - 60 LF/facility/yr