

Selected Literature on Anesthesia Markets, Quality Outcomes, and Responses to Anticompetitive Behaviors

Market literature on anesthesia practice

- Bauer J, "New Economic Perspectives on the Market for Anesthesia Services: Achieving Desired Reforms through Fair Competition," supplemental written testimony to the Federal Trade Commission, November 2003.
- Klein J, "When Will Managed Care Come to Anesthesia," *J Health Care Financ* 1997;23(3):62-86
- Gunn I, "Health educational costs, provider mix and healthcare reform: A case in point – nurse anesthetists and anesthesiologists," *AANA Journal* 1996;64(1):48-52

The literature on anesthesia care quality and comparative outcomes

- Pine M et al, "Surgical mortality and type of anesthesia provider," *AANA Journal* 2003;71(2):109-116. Pine finds that among CRNAs and physician anesthesiologists, "the type of anesthesia provider does not affect inpatient surgical mortality"
- Department of Health and Human Services HCFA, "Medicare and Medicaid programs; hospital conditions of participation: anesthesia services," 66 FR 4674, 1/18/2001, regarding physician supervision of nurse anesthetists. The agency stated, "We are acutely aware that ensuring patient safety and high quality patient outcomes are the principal considerations in regulating providers. There is no indication that physician supervision of a CRNA affects such outcomes." The final rule published later in 2001 ultimately permitting States to opt out of CMS' superfluous physician supervision requirement against nurse anesthetists took back not a single word of this evidence.
- Silber J et al, "Anesthesiologist direction and patient outcomes," *Anesthesiology* 2000;93:152-63. This is the discredited study cited by Modell; a summary of Pine's (2000) scientific critique of it follows
- Synopses of previous research, including the National Academy of Sciences (1977), Forrest (1980), Bechtholdt (1981), the Minnesota Department of Health (1994), and others

Policy literature on anesthesia and antitrust

- Stewart J, "Testimony on behalf of the American Association of Nurse Anesthetists before the House Judiciary Committee," June 22, 1999. A summary of nurse anesthesia weathering the anticompetitive behavior of anesthesiologists and organized medicine.
- Cromwell J, "Health professions substitution, a case study of anesthesia," U.S. Health Workforce Power Politics and Policy, Osterweis et al ed., Association of Academic Health Centers, 1996 Washington DC