Biopharmaceutical Section
of the American Statistical Association
Outline

• General information
• Committees
• Major Initiatives
• Membership Survey Highlights
Biopharmaceutical Section: General Information

• Section’s web site
  http://www.amstat.org/sections/sbiop

• Executive Committee
  http://www.amstat.org/sections/sbiop/comt.htm
Biopharmaceutical Section: History

- Biopharmaceutical Section was created in 1967
  - Initially a subsection of the Biometrics Section
  - Section status received in 1981
  - Played key role in creating Midwest Biopharmaceutical Statistics Workshop
Biopharmaceutical Section: Interests

- The special interest of the Biopharmaceutical Section is the application of statistics to the development and use of therapeutic drugs and devices in humans and animals.

- Primary interests of the Section are:
  (i) the biochemical and physical sciences involved with drug, biologics, and device discovery, formulations, product development, and quality control;
  (ii) the biological sciences involved in evaluating drug and device safety and efficacy of therapeutic drugs, biologics, and devices;
  (iii) experimental human and veterinary medicine in support of therapeutic drugs, biologics, and devices;
  (iv) health promotion and disease prevention and intervention activities; and
  (v) product toxicity and disease surveillance.
Biopharmaceutical Section: Committees

- Membership Committee
- FDA-Industry Workshop Committee
- Student Paper Reward Committee
- Contributed Paper Committee
- Poster Competition Committee
- Distance Learning Committee
- Fellows Nominations Committee
Biopharmaceutical Section: Major Initiatives

• Distance learning program (web-based training series)
• Statistical outreach program
• Student paper competition
• Best contributed paper and poster awards
• Biopharmaceutical Report
• Conferences sponsored by the Section
Web-based Training Series

- Distance learning program created in 2007
  - First successful webinar series within the ASA
- Web-based lectures (webinars)
  - Convenient and inexpensive training option
  - Over 30 webinars on key biopharmaceutical topics by presenters from industry and academia
  - Each webinar is attended by over 500 people
- Web page
  http://www.amstat.org/sections/sbiop/webinarseries.html
Statistical Outreach Program

- Web site to provide information to students considering a career in biopharmaceutical statistics
  - Great resource tool for academic counselors and teachers
  - Industry overviews, up-to-date information and feeds, information on undergraduate and graduate school programs, earning calculator

- Web site
  www.biostatpharma.com
Student Paper Competition

- Student paper awards
  - Support academic research in clinical trial statistics and pharmaceutical statistics
  - Six members of Student Paper Competition committee review submissions
- Three winners and honorable mention are announced by JSM abstract deadline in late January
- Awards are presented at Section business meeting at JSM
Best Contributed Paper Awards

- Best contributed paper award
  - Provide incentives for Section members to deliver talks that are relevant, organized well and communicated clearly
  - Three winners and potentially honorable mentions are chosen every year
  - Awards with cash prizes are presented at Section business meeting at JSM
Best Contributed Poster Competition

- Competition started in 2009
- All authors who present posters sponsored by the BIOP are qualified to compete
- Objectives of the competition
  - To promote the poster sessions at JSM
  - To improve the quality and quantity of posters
- Posters are evaluated based on the following criteria
  - Innovation
  - General applicability in pharmaceutical research
  - Appropriate example(s)
  - Effectiveness of presentation (well written, well organized, etc)
Biopharmaceutical Report

• Section’s official publication released two to three times a year
  • Articles on key biostatistical topics
  • General updates and summaries of Section meetings
  • Information on conferences sponsored by the Section

• Electronic copies of *Biopharmaceutical Report* are available at
  http://www.amstat.org/sections/sbiop/breport.htm
Section-sponsored Conferences

- Joint Statistical Meetings
  - Every year Section sponsors invited, topic contributed, and regular sessions at JSM
  - In 2012, Section sponsored 5 invited sessions on key biopharmaceutical topics, 33 topic-contributed, 27 regular sessions, and two full-day courses

- FDA/Industry Statistics Workshop (sessions and short courses)
Biopharmaceutical Section:
2012 Membership Survey Highlights

• The survey was sent to 2137 members with email addresses on file and 592 (27.7%) responded.

• Majority live in the United States (90.1%), are male (68.3%), are 35-64 years old (79.4%), and 67.4% earned a doctorate degree in Statistics or a related field.

• Members, on average, have been ASA members for 19.3 years with membership to the Biopharmaceutical Section for 12.2 years.

• Members have worked or are working for industry 66.6%, followed by 18% for academia and 5.3% for government.