

# Sue Barnes, RN, CIC, FAPIC

[www.zeroinfections.org](http://www.zeroinfections.org)

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## Profile

RN with 30 years of experience in Infection Prevention and Control with emphasis on innovation, infectious diseases, epidemiology, performance improvement in patient outcomes, systems and processes. Expertise in performance improvement, early adoption of innovation, project management, conflict resolution, work group facilitation, written/verbal communication with significant organizational skills. Knowledge of labor management processes. Knowledge of outcomes data management and analysis. Experienced in communication with individuals, groups and presentation of information to all levels of leadership and management. Knowledge of federal, state and local regulations, accreditation, licensure requirements and industry standards. Expertise in the development and dissemination of best practices related to infection prevention and control. Certified in Infection control and prevention.

## Experience

October 17, 2016 to present

### **Independent Infection Prevention and Control Consultant, San Mateo, CA**

- Project work with APIC, IDSA and AORN to continue supporting patient safety through innovation, prevention and control of healthcare associated infection.
- Consulting and advisory services for multiple infection prevention industry partners including: Applied Silver, Aerobiotix, Cintas, Nozin, PhoneSoap and Prescient Surgical with the goal of supporting expansion and enhancement of infection prevention efforts through product innovation.
- Facilitator National Corporate IP Leader Network (IP Directors or Leaders of 100+ multi-hospital systems in the US), meeting every other month virtually and annually in person at APIC Conference. <http://sueabarnes.wix.com/corporate-ip>
- 2013 – 2017 Board of Directors for California APIC Coordinating Council; comprised of the Presidents of all California APIC Chapters <http://community.apic.org/cacc/home>
- 2012 - 2017 Board of Directors for SFBA APIC Chapter <http://community.apic.org/sanfranciscobayarea/home>
- Author HAI Prevention and Control Plus Measures Toolkit: [www.zeroinfections.org](http://www.zeroinfections.org)

2007 to October 17, 2016 Kaiser Permanente - National Office, Oakland, CA

### **Corporate Director Infection Prevention and Control Services Kaiser Permanente**

- Facilitates the National IP Leadership Steering Group, with the goal of optimization of infection prevention and control efforts in each of 8 KP regions, via knowledge sharing and standardization of products and practices.
- Plans and coordinates an annual meeting of all Kaiser Permanente Infection Prevention and Control staff in person, including internal and external speakers, group work, work planning, knowledge sharing and networking.
- Editor of Monthly National KP Infection Prevention and Control Newsletter.
- Coordinates national monitoring and analysis of infection related outcome metrics in order to help inform national infection prevention and control work planning and performance improvement activities.
- Facilitates numerous national IP staff and leadership work groups focusing on infection prevention and control efforts including production of national IP training videos, facilitating inter-regional site visits to promote knowledge sharing, leading work to automate infection detection and other required reports.
- Presentation of reports to a variety of leadership and management groups regarding program-wide clinical performance improvement projects targeting infection prevention and control in order to inform and optimize recognition and support of by executive leadership.

- Representation of IP services and provision of consultation to numerous groups dedicated to improving patient safety including: National Quality Committee, National Product Safety Committee, National Hand Hygiene Product Sourcing and Standards Team, National Surgical Core Group, Sterilization Sourcing and Standards Team., Scope Reprocessing Room Templates group, Inter Regional NFS/IP Templates Group, Regions Outside of California IP/EH Work Group.

2001 to 2007 - Kaiser Permanente Regional Offices, Oakland, CA

**Northern California Regional Leader Infection Prevention and Control Services Kaiser Permanente**

- Leads, Infection Prevention and Control (IC) staff in the Northern California region in setting priorities for strategically focused areas via analysis of healthcare associated infection data, sentinel events, unusual occurrence reports etc. Guides staff to in data analysis in order to improve productivity. Advises on clinical infection prevention and control.
- Presents to a variety of leadership and management groups regarding program-wide clinical performance improvement projects targeting infection prevention and control in order to minimize liability and maximize patient safety.
- Provides guidance to MDs, staff and leaders regarding new legislation, regulations and trends impacting IC programs regionwide.
- Facilitates standardization of practices and policies for infection prevention and control services in NCal (including Inpatient and Ambulatory Care IC Policy Manuals, IC Position Descriptions).
- Leads large scale improvement efforts designed to facilitate optimization of Patient Safety including: National Hand Hygiene Project, National Vascular Access Initiative, Endoscopy Reprocessing and Silver Coated Foley Initiatives, California IC Strategy Team, California IC Position Description Work Group, California IC Preceptor Work Group, California IC/Employee Health Work Group, National IC HAI (healthcare associated infection) Database Work Group, National IC/Periop Work Group, California AICE Software Work Group.
- Represents IC services and provides consultation to the following groups dedicated to improving Patient Safety: Regional Risk Management/Patient Safety Committee, Regional Product Council, Regional Infectious Disease Chiefs, National Product Safety Committee, National Reprocessing Oversight Committee, National Hand Hygiene Sourcing and Standards Team, National Sterilization Sourcing and Standards Team, Regional Flu Steering Committee, National IC Leadership Steering Committee, Regional Critical Care MD/Manager Group, National Surgical Core Group.
- Conducts ongoing quarterly data collection, analysis and report generation for National HAI Database Program and Regional Board Report Bloodstream Infection Indicator.

1989 – 2001 Kaiser Permanente Medical Center SSF, CA

**Infection Control Manager Kaiser Permanente**

Managed prevention, surveillance and control of healthcare acquired infections (HAI) within medical center/offices (and SNF outreach). Oversight of regulatory compliance related to Infection Control (IC). Developed/implemented IC policies/procedures. Provided physicians/staff with education and updates regarding policy changes. Co-Facilitated IC committee. Collected/ analyzed/ reported data on HAI. Investigated outbreaks; collaborated with public health department in reporting communicable diseases. Coordinated IC educational programs for staff. Participated on multi-divisional work group with to analyze national database statistics, identify/share best practices, and communicate findings to stakeholders. Facilitated or Co-facilitated 10 project task force groups. Additional:

- Participated on National KP Sourcing/Standards Team charged with identifying, evaluating and selecting standard handcare products.
- Participated in daily ICU Multidisciplinary Patient Care Rounds, providing IC consultation in collaboration with Infectious Disease MD.
- Collaborated with multidisciplinary, multi-divisional group selecting standard central venous catheter and developing standard insertion, care, and utilization guidelines.
- Coordinated enrollment of SSF medical center into Center for Disease Control's National Nosocomial Surveillance System (NNIS) ensuring access to a national infection database against which to benchmark HAI data.

- Led 2 multidisciplinary taskforces to reduce rate of healthcare acquired vent-related pneumonia (decreased patient days by 83, saving \$84,000) and rate of central line related bloodstream infections (decreased patient days by 251, saving \$119,000).
- Developed IC educational tool, mock "Jeopardy" game, for New Employee Orientation which consistently achieved high level of participation.
- Co-authored Divisional KP IC Ambulatory Care Policy and Procedure Manual, Physician IC Educational Flip Chart, and Cidex Utilization Guidelines Flip Chart.

1987 – 1989 Oakland Hospital Oakland, CA

**Nursing Manager, Medical Surgical Service**

Supervised/managed 60 RN's, LVN's, CNA's, Ward Clerks (24-hour accountability). Responsible for scheduling, payroll, hiring/ termination, evaluations. Maintained working knowledge of union contracts. Chaired/ implemented QA Program for Medical/ Surgical Department. Acted as Medical Center's Nursing Supervisor and Director of Nursing as needed. Relieved/assisted nurses in ER, ICU, Med/Surg, Recovery Room. Founded, developed, chaired Nursing Quality Assurance committee enabling continuous focused monitoring of Nursing performance and identification of improvement opportunities. Educated Nursing Staff on Quality Assurance and developed unit level representation, increasing awareness/compliance with standards of care in focused monitoring. Revised Medical Surgical Policy/Procedure manual to reflect current Nursing standards of care.

1984 – 1987 Oakland Hospital - Oakland, CA

**Nursing Supervisor, Evening Shift**

Acted as Medical Center's Administrator after hours. Responded to emergencies. Supervised ICU, Medical-Surgical, and Emergency Room Nursing staff. Acquired medications/equipment from pharmacy/central supply. Monitored admissions, patient placement, inter-hospital transfers. Maintained working knowledge of union contracts, MediCal/Medicare regulations, staffing for all nursing areas during subsequent shifts. Scheduled surgical cases/emergency surgical procedures. Refined method of written "shift-to-shift" reporting for supervisors. Revised facility Administrative Nursing Policy/Procedure manual. Developed/refined facility IC Program; acted as IC Coordinator.

1984 – 1989 Prior Positions San Antonio, TX; San Mateo, CA

**Medical Surgical Staff Nurse**

Staff Nurse responsible for directing patient care utilizing both primary/team nursing approaches in medical, surgical, oncology, renal, urology, orthopedics, and neurology units. Supervised technical assistants/LVNs. Assumed charge nurse assignments.

**Professional Organizations**

APIC Industry Perspectives Website Advisory Group 2017 to present  
 SFBA APIC President 2013 – 2014, 2016 – 2017  
 AORN News Advisory Group for 2011 to 2015  
 California APIC Coordinating Council Secretary 2013 – 2014  
 California APIC Coordinating Council President 2016 - 2017  
 National APIC General Director, Board of Directors (BOD) January 2010 – 2012  
 Co-Founder and Facilitator National Corporate IP Director Group 2015 - Present  
 Editorial Board APIC Preventing Infection in Ambulatory Care Newsletter 2010  
 National Quality Forum (NQF) Healthcare associated infection technical advisory panel (TAP) member 2010  
 National Quality Forum (NQF) ESRD Steering Committee member 2010 to 2013  
 Editorial Board: APIC Preventing Infections in Ambulatory Care Newsletter 2009 to present

**Publications**

- Edmiston CE Jr, Leaper DJ, Barnes S, Johnson HB, Barnden M, Paulson MH, Wolfe JL, Truitt K. Revisiting Perioperative Hair Removal Practices. AORN J. 2019 May;109(5):583-596. doi: 10.1002/aorn.12662.

- Barnes, S. "Patient centered care – understanding patient perception of surgical infection prevention technology". Infection Control Today. March 19, 2019.
- Cook T, Piatt C, Barnes S, Edmiston C. "The impact of supplemental intraoperative air decontamination on the outcome of total joint arthroplasty: a pilot analysis". The Journal of Arthroplasty 34 (2019) 549-553.
- Barnes, S. "The Basics of a Business Case for Infection Prevention" Infection Control Today Jan 25, 2019.
- Barnes S et al. "The emerging role of the corporate or system-level infection prevention director for integrated delivery networks". AJIC 2018 In press.
- Garcia RA, Spitzer ED, Kranz B, Barnes S. "A national survey of interventions and practices in the prevention of blood culture contamination and associated adverse health care events". Am J Infect Control. 2018 Jan 17.
- Bleasdale S, Barnden M, Barnes S. The Impact of Antibiotic Stewardship Program Resources on Infection Prevention Programs. Clinical Infectious Diseases Journal, 20 November 2018; <https://doi.org/10.1093/cid/ciy986>
- Barnes S, Twomey C, Carrico R, Murphy C, Warye K. "OR Air Quality: Is It Time to Consider Adjunctive Air Cleaning Technology?" AORN Journal Volume 108, Issue5 Special Focus Issue: Technology November 2018 Pages 503-515.
- Edmiston CE, Leaper DJ, Barnes S, Jarvis W, Barnden M, Spencer M, Graham D, Johnson HB. An Incision Closure Bundle for Colorectal Surgery: 2.0 [www.aornjournal.org/content/cme](http://www.aornjournal.org/content/cme). AORN J. 2018 May;107(5):552-568. doi: 10.1002/aorn.12120.
- Barnes S. "IP Role in Antibiotic Stewardship Programs". Infection Control Today; December 4, 2017.
- Barnes S. "Contaminated handheld electronic devices in infection transmission". Healthcare Facilities Today; 2017 November 6.
- Barnes, S. "The Microbiome of an Occupied Patient Room". Infection Control Today". Nov 3, 2017
- Parvizi J, Barnes S, Shohat N, Edmiston C. "Environment of care: Is it time to reassess microbial contamination of the operating room air as a risk factor for surgical site infection in total joint arthroplasty?" Am J Infect Control. 2017 Nov 1;45(11):1267-1272.
- Barnes S. "The Role of Surveillance in HAI Prevention". Infection Control Today". March 13, 2017.
- Barnes S. "Antimicrobial Surfaces as a Tool to Support HAI Prevention". Infection Control Today; February 13, 2017.
- Barnes S. "IP/Stakeholder Series: The C-Suite". Infection Control Today; January 30, 2017.
- Barnes S. "Nasal Decolonization and HAI Prevention: Applications and Evidence". Infection Control Today; December 12, 2016.
- Dolan SA, Arias KM, Felizardo G, Barnes S, Kraska S, Patrick M, Bumsted A. APIC position paper: Safe injection, infusion, and medication vial practices in health care. Am J Infect Control. 2016 Jul 1;44(7):750-7.
- Aureden K, Barnes S, Myers F. Looking Forward-Infection Prevention in 2016. AORN J. 2015 Dec;102(6):596-601.
- Spencer M, Barnes S, Parada J, Brown S, Perri L, Uettwiller-Geiger D, Johnson HB, Graham D. A primer on on-demand polymerase chain reaction technology. Am J Infect Control. 2015 Oct 1;43(10):1102-8.
- Barnes S. "Reliable Design of IP Programs". Infection Control Today. September 11, 2015.
- Barnes S. "What's new in SSI prevention". AORN J. 2015 Jun;101(6): P10-2.
- Edmiston CE Jr, Assadian O, Spencer M, Olmsted RN, Barnes S, Leaper D. To bathe or not to bathe with chlorhexidine gluconate: is it time to take a stand for preadmission bathing and cleansing? AORN J. 2015 May;101(5):529-38.
- Barnes S. Infection prevention: the surgical care continuum. AORN J. 2015 May;101(5):512-8.
- Barnes S. Update on the infection preventionist role. AORN J. 2014 Aug;100(2):129-30.
- Barnes S, Spencer M, Graham D, Johnson HB. Surgical wound irrigation: a call for evidence-based

- standardization of practice. *Am J Infect Control*. 2014 May;42(5):525-9.
- Barnes S, Chock L, Sabell P, Trocino D. Cataract extraction: one area of infection risk and surveillance focus. *Insight*. 2011 Summer;36(3):16-7, 32.
  - Barnes S, Felizardo G. "Preventing Infection in Hemodialysis" *APIC Preventing Infection in Ambulatory Care Newsletter*. Summer 2011.
  - Barnes S, Spencer M, Graham D, Johnson HB. Surgical wound irrigation: a call for evidence-based standardization of practice. *Am J Infect Control*. 2014 May;42(5):525-9.
  - Barnes S. The drive to zero surgical site infections. May 2014 Vol 99 No 5; *AORN Connections*.
  - Barnes S. "A Collaborative Approach to Preventing SSIs in Ambulatory Surgery Centers". *Becker's ASC Online Newsletter* June 15, 2011.
  - Barnes S. Infection prevention: the surgical care continuum. *AORN J*. 2015 May;101(5):512-8.
  - Barnes S, Spencer M, Graham D. Surgical wound irrigation: A call for evidence-based standardization of practice. *American Journal of Infection Control* 42 (2014) 525-9.
  - Barnes S. Update on the infection preventionist role. *AORN J*. 2014 Aug;100(2):129-30.
  - Barnes S. What's new in SSI prevention? *AORN J*. 2015 Jun;101(6): P10-2.
  - Barnes SA, Rebmann T, Association for Professionals in Infection Control and Epidemiology. Preventing infections in hemodialysis: an executive summary of the APIC Elimination Guide. *Am J Infect Control*. 2011 Feb;39(1):72-5.
  - Barnes, S et al. "Cataract Extraction: One Area of Infection Risk and Surveillance Focus" *APIC Preventing Infections in Ambulatory Care Newsletter*. Fall 2010
  - Barnes, S et al. "Kaiser Permanente National Hand Hygiene Program". *The Permanente Journal/ Winter 2004/ Volume 8 No. 1* pp 13-18.
  - Barnes, S. "Kaiser Permanente Implements Successful Infection Control Preceptor Program". *Joint Commission the Source for Joint Commission Compliance Strategies*. Vol 4 Issue 12 December 2006 pp 8-11.
  - Barnes, S. May 2009 "Hepatitis and Dialysis: What Patients Can Do to Prevent Infection": For APIC's consumer site: [Preventinfection.org](http://Preventinfection.org).
  - Dolan SA, Felizardo G, Barnes S, Cox TR, Patrick M, Ward KS, Arias KM. APIC position paper: safe injection, infusion, and medication vial practices in health care. *Am J Infect Control*. 2010 Apr;38(3):167-72.
  - Edmiston CE Jr, Assadian O, Spencer M, Olmsted RN, Barnes S, Leaper D. To bathe or not to bathe with chlorhexidine gluconate: is it time to take a stand for preadmission bathing and cleansing? *AORN J*. 2015 May;101(5):529-38.
  - Guglielmi, C, Spratt D, Berguer R, Barnes S. "Table Talk: A call to arms to prevent sharps injuries in our ORs". *AORN Journal*. October 2010 Vol 92. No 4 pp 387-392.
  - Maria C. S. Inacio, Elizabeth W. Paxton, Yuexin Chen, Jessica Harris, Sue Barnes, Robert S. Namba, Christopher F. Ake "Leveraging Electronic Medical Records for Surveillance of Surgical Site Infection in a Total Joint Replacement Population" *Infection Control and Hospital Epidemiology*, Vol. 32, No. 4 (April 2011), pp. 351-359.
  - Spencer M, Barnes S, Parada J, Brown S, Perri L, Uettwiller-Geiger D, Johnson HB, Graham D. A primer on on-demand polymerase chain reaction technology. *Am J Infect Control*. 2015 Oct 1;43(10):1102-8.
  - Sue Barnes, RN, CIC, et al. "An enhanced benchmark for prosthetic joint replacement infection rates". *American Journal of Infection Control*. Dec 2006 Vol 34 No 10 pp 669-672.

**Video, Audio,  
Face to Face  
Presentations**

**May 7, 2019** C diff Spores and More Radio Show; “Reducing SSI Risk with Innovative Wound Protector”. Sponsored by Prescient Surgical.

**February 2, 2019** C diff Spores and More Radio Show; “Nasal decolonization and reducing patient infection risk”. Sponsored by Global Life Technologies, Nozin.

**September 25, 2018** C diff Spores and More Radio Show; “Air contamination and SSI risk”. Sponsored by Aerobiotix.

**August 22, 2018** C diff Spores and More Radio Show; “Contaminated soft surfaces and HAI Risk”. Sponsored by Applied Silver.

**Spring and Fall 2018** Webinar Contaminated Mobile Devices in Healthcare sponsored by PhoneSoap

**June 2018** APIC Conference Breakfast Symposium – Moderator – Nasal Decolonization Without Antibiotics and Its Applications in Infection Prevention. Sponsored by Global Life Technologies, Nozin.

**June 2018** APIC Conference Breakfast Symposium – Moderator - The Next Generation SSI Bundle: Why You Should Consider the OR Environment. Sponsored by Aerobiotix.

**2018 February 14 and November 9, 2017** Presentation to Coastline APIC Chapter and San Francisco APIC Chapter “Air Contamination and SSI Risk in Implant Procedures” sponsored by Aerobiotix

**2017 October 19** Infection Control Today Webinar – Hand Hygiene the State of the State – 60 minutes

**2017 October 5** ID Week San Diego Key Opinion Leader Dinner presentation “Soft Surface Contamination and HAI Risk” sponsored by Applied Silver

**2017 August 27** C. diff Foundation “Spores and More” Radio Show – Role of Contaminated Handheld Mobile Devices in Infection Transmission. Sponsored by PhoneSoap.

**2017 August 8** APIC Webinar Reducing HAI Risk Through Safe Injection Practices

**2017 July 11** C diff Spores and More Radio Show “Fecal Microbiota Transplant Update” sponsored by Clorox.

**2017 June 29** Webinar Challenges in Ultrasound (US) Probe Reprocessing Sponsored by Nanosonics.

**2017 June 15** Double Tree Portland, OR: Key Opinion Leader Dinner presentation 60 minutes: Surgical Wound Closure Bundle sponsored by Ethicon.

**2017 June 16** Double Tree Portland, OR: Key Opinion Leader Dinner presentation 20 minutes: IP as Early Adopter Failure, Learnings and Success Despite it All sponsored by Cepheid, Irrimax, Rapid Disinfectant

**2017 June 17:** APIC Conference Concurrent Session Presentation, #3406 Plenary session “Unleashing the efficacy of infection prevention across an integrated delivery network”

**2017 May 9, 11, 23, 25:** AORN’s Nurse Executive Leadership Seminar series for the spring 2017: May 9: Cincinnati; May 11: Philadelphia; May 23: Cleveland; May 25: Dallas

**2017 April 19** Webinar Ultrasound Probe Infection Risk – A Call to Action Sponsored by Nanosonics

**2017 April 11** C diff Spores and More Radio Show “Managing *C. difficile* from Hospital to Home: How the Right Practices and the Right Products Can Make Difference” sponsored by Clorox

November 3, 2016 Panel Presentation HQI Conference San Diego, CA “Reliable Design of IP Programs”.

October 27, 2016 ID Week Key Opinion Leader Dinner presentation “Potential of Nasal Decolonization for HAI Prevention and Control” sponsored by Nozin.

November 2014 APIC Sierra Chapter Presentation SSI Prevention a 12 Step Program

January 2014 SF AORN Chapter SSI Prevention How Are We Doing

March 2014 National Nursing Leadership Council Kaiser Permanente – Surgical Site Infection Prevention

March 11 and 14, 2014 HRET/AHA Webinar – Home Administered FMT Enema

March 4, 2014 AORN Conference Presentation Jerry Peers Lectureship Simulation and SSI Prevention

February 13, 2014 HRET/AHA Webinar – SSI Prevention How are You Doing?

November 16, 2013 8<sup>th</sup> Annual Kaiser Perioperative Symposium – SSI Beyond the Basics

August 21, 2013 Webinar CDI Prevention and Control for Carolyn Jackson QIP

June 9, 2013 APIC Conference SSI Prevention and Simulation Session #2002 and Demonstration in Exhibit Hall

December 2012 Cynosure Webinar SSI Prevention - How Are We Doing? Direct OR Observations

November 14 – 15, 2012 California Ambulatory Surgery Association Essential Components of a Successful IP&C Program

June 4-6, 2012 APIC Presentation Session 2004 SSI Prevention in ASCs A Collaborative Project

August 2011 Coastline APIC Chapter presentation with Kris Anderson – SSI Prevention in Ambulatory Surgery Centers  
 July and August 2011 Target BSI – CLABSI Prevention  
 June 2011 APIC Conference – *Clostridium difficile* prevention – Learning Session presentation with Dr Steve Parodi  
 May 2011 APIC Anywhere Webinar: Beyond Plus Measures for HAI Prevention  
 April 2011 Poster Presentation SHEA Conference: Algorithmic Detection of SSI  
 March 2011 AORN Presentation San Francisco – Marin, California ASC SSI Prevention Collaborative Project  
 June 2010 APIC Conference Meeting the Expert Session: Infection Prevention in Ambulatory Care  
 March 2010 Decennial Conference meet the expert session with Dr T Perl: Practical Tips on Prevention Bundles  
 2009 APIC webinar series for AAAHC surveyors: CMS/Infection Prevention and Control survey of Ambulatory Surgery Centers – co-facilitator  
 2009 APIC Training CMS Survey of Ambulatory Surgery Center - contributor  
 2005 February: APIC SFBA (association for professionals in infection control): Scope Reprocessing  
 2005 September: SGNA (Society for Gastroenterology Nurses and Associates) IC Considerations in Scope Reprocessing  
 March 2006: ECRI (Emergency Care Research Institute) Scope Reprocessing  
 September 2006: APIC Portland, OR IC in Total Hip and Knee Procedures  
 October 2006: APIC Sierra Chapter - KP IC Preceptor Program October 2006

<b>Education</b>	1974 - 1978 George Mason University Fairfax, VA BS in Nursing; Honor Society
<b>Licensure/ Certification</b>	RN License - CA #S354241 Current CIC: Infection Prevention and Control Certification – National - #224747
<b>Awards</b>	2015 APIC Fellow (FAPIC) 2016 APIC President’s Distinguished Service Award
<b>Professional Memberships</b>	2010 to present: SHEA member 1989 to present: APIC member