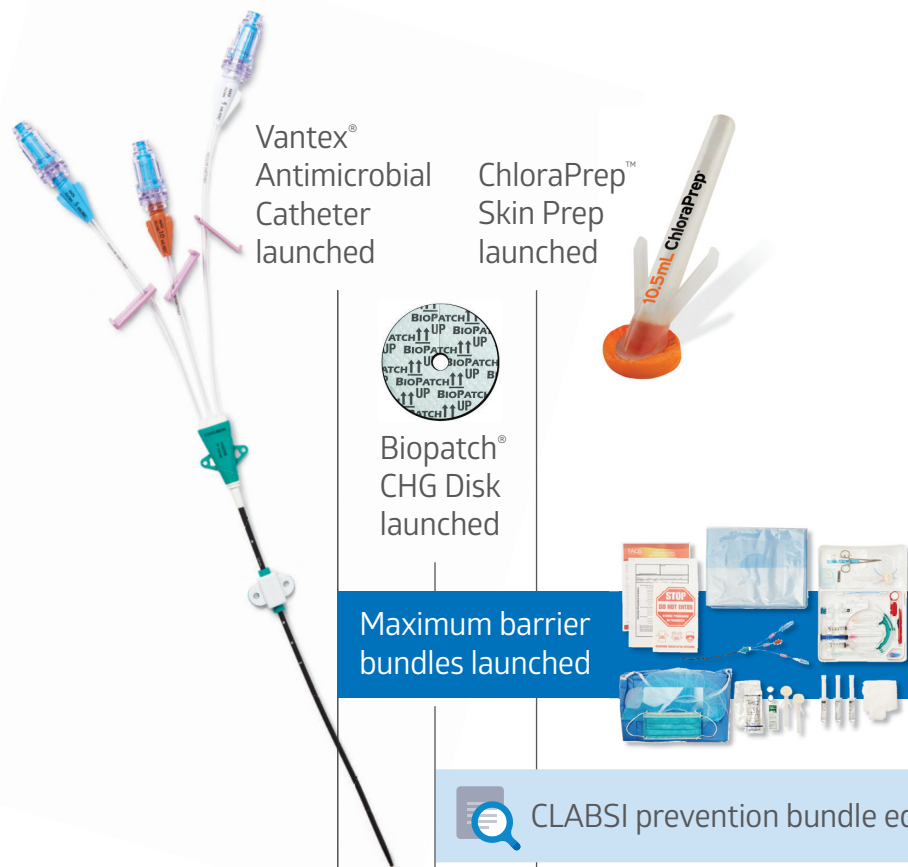


# Bundle for better outcomes



1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

Majority of studies performed with first generation CHSS antimicrobial CVC cited for CDC 1A recommendation

First generation  
CHSS antimicrobial  
CVC launched

Second generation  
CHSS antimicrobial  
CVC launched

Rupp study conducted with 9 medical centers over a 24 month period, comprised 4,278 catheter days and showed no significant reductions in CLABSIs<sup>2</sup>

8 studies performed with second generation CHSS antimicrobial CVC, 7 of 8 studies showed no significant reduction in infections

2017

2016

CHSS = Chlorhexidine-Silver Sulfadiazine.

1. Pronovost P, Needham D, Berenholtz S et al. An Intervention to Decrease Catheter-Related Bloodstream Infections in the ICU. The New England Journal of Medicine. 2006;355(26):2725-2732. 2. Rupp ME, Lisco SJ, Lipsett PA, Perl TM, Keating K, Civetta JM, et al. Effect of a second generation venous catheter impregnated with chlorhexidine and silver sulfadiazine on central catheter-related infections: a randomized, controlled trial. Amer College of Phys (2005) 143, 8, 570-581.

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