

ARROW®

Arrowg+ard Blue Plus®
Protection prevents CLABSI by

67–100%¹

AGB

PLUS®

Antimicrobial

Arrowg+ard **Blue Plus®** CVC

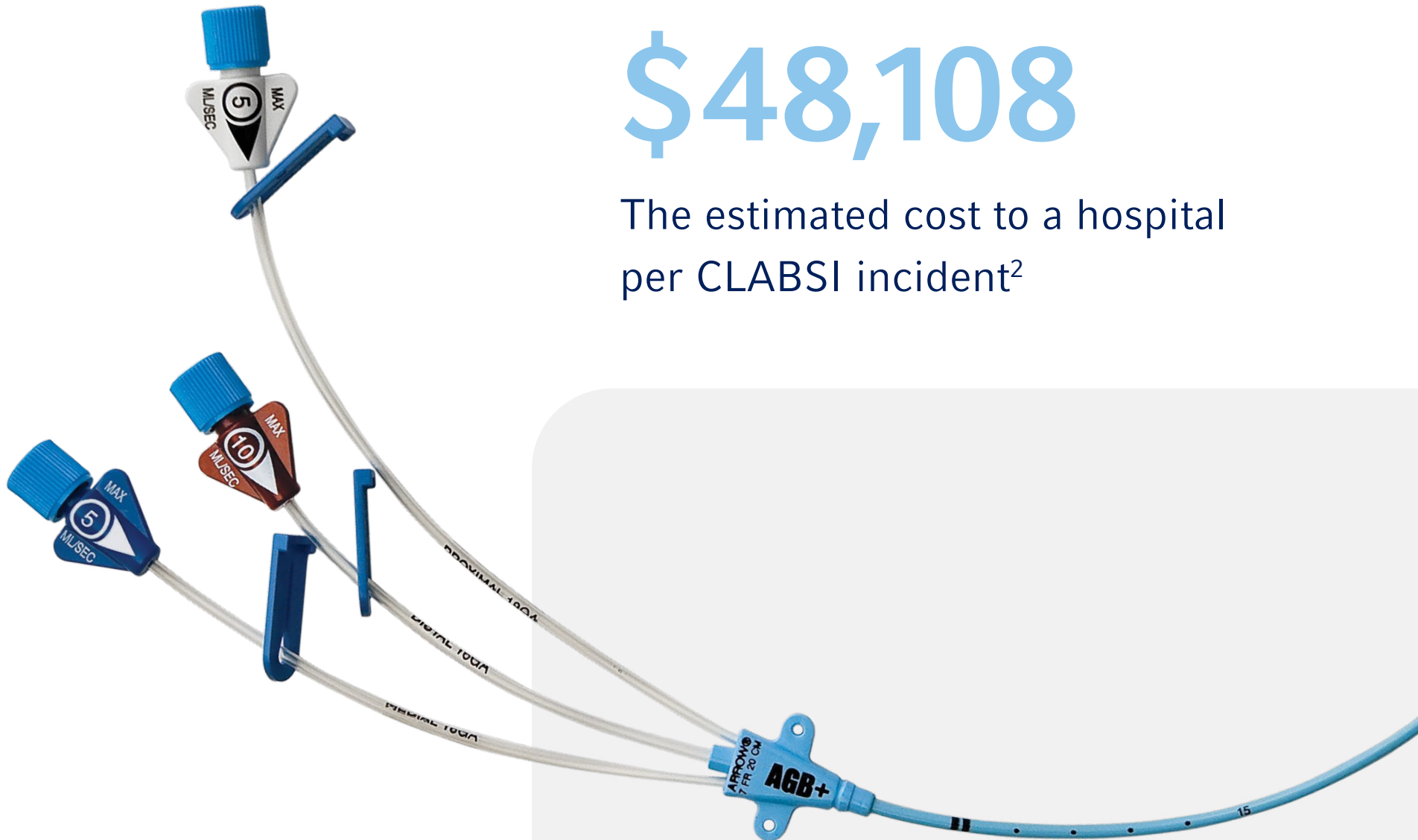
CENTRAL ACCESS

Teleflex®

Arrowg+ard **Blue Plus**® CVC

\$48,108

The estimated cost to a hospital
per CLABSI incident²



Protection for your patients + confidence for you

As a medical professional, nothing is more important than patient safety. Choosing to use an Arrowg+ard Blue Plus® Central Venous Catheter (CVC), the number 1 CVC in healthcare,³ allows you to feel confident that the catheter you are using has your back. We are here to help you reach your goal of zero infections.



Watch the video to see how Arrowg+ard® Technology helps prevent microorganism colonization that can cause infections.



Up to
100%

Arrowg+ard Blue Plus® CVCs reduced CLABSI by 67–100% in a landmark study.¹



Protection begins **within.**

Complete coverage – Our antimicrobial catheter features an external surface treatment using the antimicrobials chlorhexidine acetate (CHA) and silver sulfadiazine. An internal lumen impregnation combines CHA and a chlorhexidine (CH) base.

In-vitro performance – Proven effectiveness against common antibiotic-resistant “superbugs.”⁵

Infection reduction capabilities – Proven to reduce Central Line Associated Bloodstream Infection (CLABSI) by 67% to 100%.¹

Cost reduction potential – May reduce healthcare systems’ expenses due to the average cost of CLABSI being \$48,108 per incident.²

Reduces broad-spectrum pathogens – Proven effectiveness in reducing gram-positive and gram-negative bacteria, and fungal organisms.⁴



See how Arrowg+ard Blue Plus® Catheters reduce biofilm buildup



Watch the video

Meets guidelines and recommendations:⁶

- ✓ Centers for Disease Control and Prevention (CDC)
- ✓ Society for Healthcare Epidemiology of America (SHEA)
- ✓ Infectious Diseases Society of America (IDSA)
- ✓ Infusion Nurses Society (INS)
- ✓ Occupational Safety and Health Administration (OSHA)
- ✓ Canadian Vascular Access and Infusion (CVAA)



Learn more about:

[Arrowg+ard Blue Plus® Catheter portfolio](#)

[Arrow® Catheter Tip Positioning Systems](#)

[Arrowg+ard Blue Plus® Protection Clinical Bibliography](#)

As healthcare becomes more complex and reducing infections is more important than ever, Arrowg+ard Blue Plus® Catheters give you the peace of mind that your patients are protected against CLABSI.

Arrowg+ard Blue Plus® Catheters protect against the major pathogens of CLABSI¹³

Organism ⁷	Pathogen	% of all CLABSI ⁸	Proven effective <i>in vitro</i> ⁹
Gram-positive	<i>Coagulase-negative Staphylococcus</i>	34.1%	✓
	<i>Enterococcus species</i>	16.0%	✓
	<i>staphylococcus aureus</i>	9.9%	✓
Gram-negative	<i>Klebsiella species</i>	5.8%	✓
	<i>Enterobacter species</i>	3.9%	✓
	<i>Pseudomonas aeruginosa</i>	3.1%	✓
	<i>Escherichia coli</i>	2.7%	✓
	<i>Acinetobacter baumannii</i>	2.2%	✓
Fungi	<i>Candida species</i>	11.8%	✓
Total		89.5%	✓

*Studies were done using Arrowg+ard Blue Plus® Catheters using *in vitro* zone of inhibition test. Arrowg+ard Blue Plus® Catheters showed a minimum of a 4 mm zone of inhibition at day seven.



Using Arrowg+ard Blue Plus® Catheters?

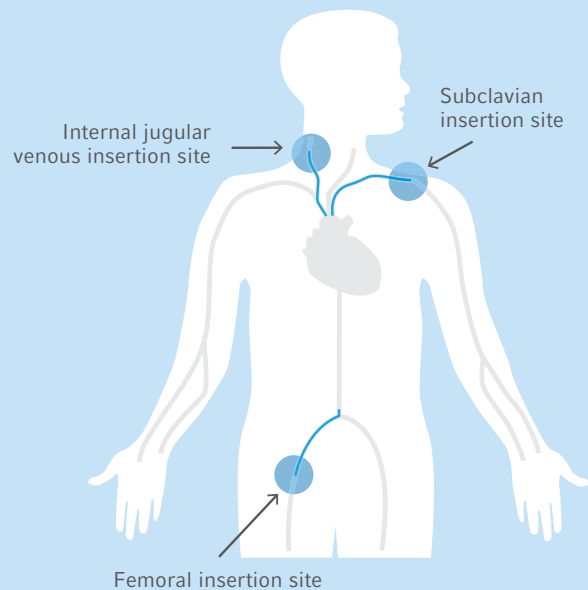
Don't forget to add the **Arrow® VPS Rhythm® Device**. This vascular positioning system allows you to clear the line for use without a confirmatory chest X-ray.^{9, 10}



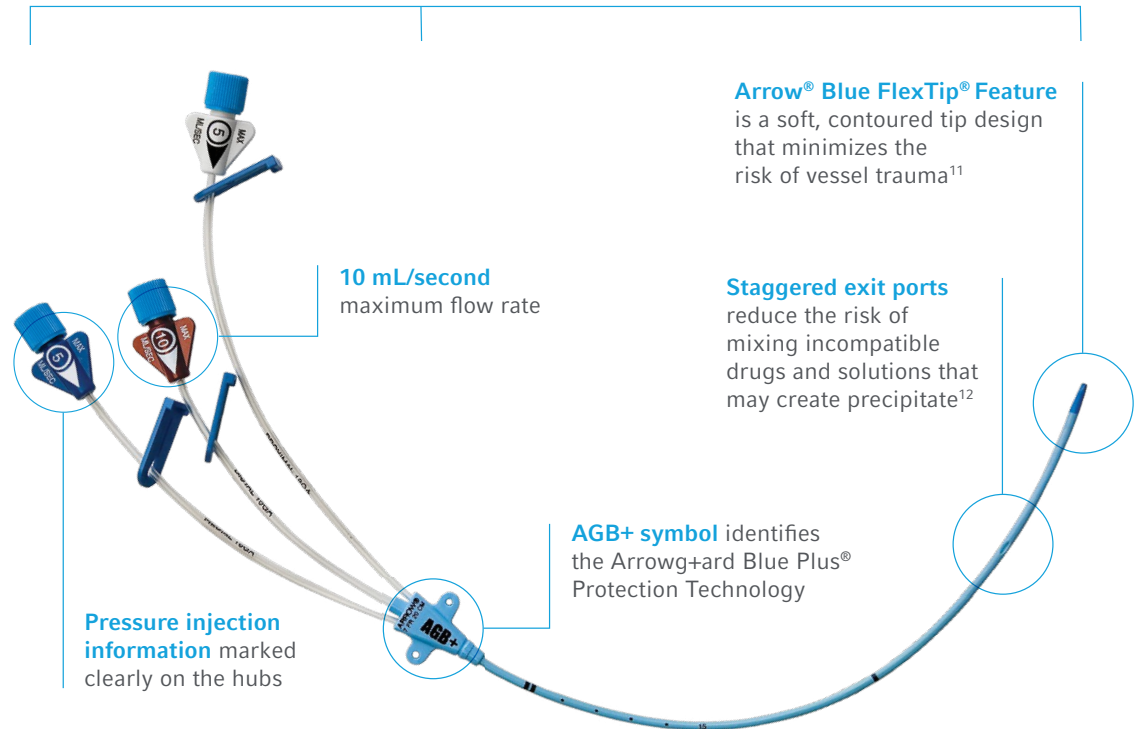
**Click here
to learn more**

Give your patients the protection they deserve when they need it most.

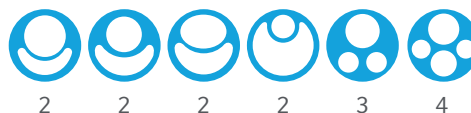
Your patients enter the hospital concerned about their future and look to you to bring them the hope and confidence they desire. With so much at stake for you and your patients, choosing the right teammate can make all the difference.



Protected inside and out: Arrowg+ard Blue Plus® CVCs have antimicrobial protection along the intraluminal fluid path, including extension lines, as well as extraluminal catheter surface.⁴



Multiple lumen configurations



See our catalog of CVC Kits

Supporting your workflow

Our innovation does not stop with our protected catheters or the Arrow® VPS Rhythm® Device. We have the accessories you need to help your teams produce a seamless experience throughout the procedure.

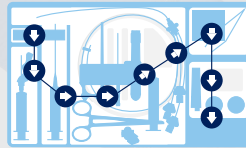
The Arrow® ErgoPack® Complete System

A kit designed to be ergonomic and all-inclusive, helping you and your team save time and have a safer and more confident insertion.

The ErgoPack® Complete System is available in CVC, MAC, and PSI max barrier kits.



Kits available with
BioPatch® Protective
Disk or Tegaderm® CHG
Dressing



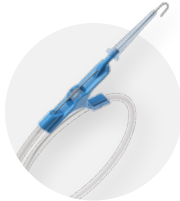
Efficient tray design
The top-to-bottom, left-to-right
layout reduces missteps and
increases efficiency



The Arrow® ErgoPack® Complete System comes with:



Nitinol wire
Kink-resistant
compared to
stainless steel



**Arrow® GlideWheel™
Advancer**
Provides tactile feedback
and finer control



Transducer cover
Supports guidelines for
ultrasound insertion



**Pre-filled sterile
saline syringe**
One per lumen now
included in kit



**Extra Chloraprep®
Skin Prep**
Extra applicator in
each kit



**Learn more about
the ErgoPack®
Complete System**



Teleflex Academy

Your one-stop
education center.

We are here to be a teammate beyond the sale of our catheters and products. **Through Teleflex Academy, you will have access to e-learning modules, hands-on training, and webinars.** Receive valuable Continuing Education for healthcare providers, or simply gain a better understanding of how to efficiently use your Arrow® Catheters and other products. Our resources are at your fingertips to help you and your teammates do your job more effectively.



**Our courses are approved
and regulated by:**

- The California Board of Registered Nursing, provider number 12422
- The Continuing Respiratory Care Education (CRCE) system of the American Association for Respiratory Care (AARC)

Receive Continuing Education



Learn more
about Teleflex
Academy





Do you have a need for an in-person process evaluation and risk assessment related to the use of Arrow® Products?

Arrow® OPERA Program

- On-site assessment
- Interviews (1–2 clinicians per unit)
- Summary meeting
- Follow-up as needed



To learn more, [click here](#) to connect with the Teleflex Clinical and Medical Affairs team.

References:

1. Rupp ME, Lisco SJ, Lipsett PA, et al. Effect of a Second-Generation Venous Catheter Impregnated with Chlorhexidine and Silver Sulfadiazine of Central Catheter-Related Infections. *Ann Intern Medicine*. 2005; 143: 570-80.
2. Estimating the Additional Hospital Inpatient Cost and Mortality Associated With Selected Hospital-Acquired Conditions. 2017. Agency for Healthcare Research and Quality, Rockville, MD. Available at: <https://www.ahrq.gov/hai/pfp/haccost2017-results.html>
3. IMS Data July 2014 through June 2020 based on % market share in dollars and units. (US data) Vascular Access Report- Europe (DRG Data Market Share report). (EMEA data).
4. Steinke E and Spangler D. Activity of Antiseptic and Antibiotic Treated CVCs against Five Candida Pathogens. *American Society of Anesthesia* 2009.
5. Gupta N, Weber H, Moss S, Gaire-Patel K. Are antibiotic resistant “super bugs” a real challenge to antimicrobial central venous catheter performance? 2014: AVA Poster. Employed by Arrow International LLC (Teleflex). Sponsored by Teleflex.
6. O’Grady NP, Alexander M, Burns LA, et al. Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011 (Revised 2017). Atlanta, GA: Centers for Disease Control and Prevention; 2017. Marschall J, Mermel LA, Fakih M, et al. Strategies to Prevent Central Line–Associated Bloodstream Infections in Acute Care Hospitals: 2014 Update. *Infection Control and Hospital Epidemiology*. 2014 July; 35(7): 753-71. Gorski L, Hadaway L, Hagle ME, McGoldrick M, et al. Infusion Therapy Standards of Practice. *Journal of Infusion Nursing*. 2016; Jan 39(1S). Occupational Safety & Health Administration Regulations (Standards –29 CFR). Part 1910. 1030: Bloodborne pathogens. Occupational Safety & Health Administration Web site.
7. Hidron AI et al. “Antimicrobial-Resistant Pathogens Associated With Healthcare-Associated Infections: Annual Summary of Data Reported to the National Healthcare Safety Network at the Centers for Disease Control and Prevention, 2006-2007.” *Infection Control and Hospital Epidemiology* 2008 Vol 29, No. 11: 996-1011.
8. Data on file; no correlation between *in vitro/in vivo* testing methods and clinical outcomes have currently been ascertained.
9. See the VPS Rhythm® Device Operator’s Manual or TipTracker™ Stylet Instructions for Use for full Indications for Use.
10. With appropriate hospital policy and procedure in place.
11. Rosenbauer KA, Herzer JA. Surface morphology and tensile force at breaking point of different kinds of intravenous catheters before and after usage. *Scan Electron Microsc.* 1981;(Pt 3):125-30.
12. Collins JL, Lutz RJ. In vitro Study of Simultaneous Infusion of Incompatible Drugs in Multilumen Catheters. *Heart & Lung*. 1991; 20(3):271-7.

Rx only.

Contraindication: The Arrowg+ard Blue Plus® CVC is contraindicated for patients with known hypersensitivity to chlorhexidine and silver sulfadiazine and/or sulfa drugs.

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Corporate Office

+1 610 225 6800

550 E. Swedesford Road, Suite 400

Wayne, PA 19087, USA

Regional Offices

United States:

+1 919 544 8000,

Toll Free 866 246 6990,

cs@teleflex.com,

3015 Carrington Mill Boulevard

Morrisville, NC 27560, USA

Latin America:

+1 919 433 4999

la.cs@teleflex.com

3015 Carrington Mill Boulevard,

Morrisville, NC 27560, USA

International:

+353 (0)9 06 46 08 00

orders.intl@teleflex.com

Teleflex Medical Europe Ltd.,

IDA Business and Technology Park,

Dublin Road,

Athlone, Co Westmeath, Ireland

Australia +1300 360 226

Austria +43 (0)1 402 47 72

Belgium +32 (0)2 333 24 60

Canada +905 943 9004

China (Shanghai) +86 (0)21 6163 0965

China (Beijing) +86 (0)10 6418 5699

Czech Republic +420 (0)495 759 111

France +33 (0)5 62 18 79 40

Germany +49 (0)7151 406 0

Greece +30 210 67 77 717

India +91 (0)44 2836 5040

Italy +39 0362 58 911

Japan +81 (0)3 6632 3600

Korea +82 2 536 7550

Mexico +52 55 5002 3500

Netherlands +31 (0)88 00 215 00

New Zealand +0800 601 100

Portugal +351 22 541 90 85

Singapore (SEA non-direct sales countries)

+65 6439 3000

Slovak Republic +421 (0)3377 254 28

South Africa +27 (0)11 807 4887

Spain +34 918 300 451

Switzerland +41 (0)31 818 40 90

United Kingdom +44 (0)1494 53 27 61

For more information,
please visit [teleflex.com](https://www.teleflex.com).