REDUCING INVASIVE DEVICE-RELATED BLOODSTREAM INFECTIONS: A CHALLENGE FOR THE PREVENTION OF HEALTH-CARE ASSOCIATED INFECTIONS

EXAMPCONGRESS23-25MARCH CONGRESS #EAHP2022

L. MARCO¹, F. SIROT¹, C. BERDOT¹, F. SCOTTO¹, C. PROUST¹, A. BOUSSEAU¹, C. LALAND¹, S. THEVENOT¹ 1: UNIVERSITY HOSPITAL OF POITIERS, HYGIENE, POITIERS, FRANCE 6ER-005 2. Case studies with patient consent • CHU de Poitiers

Background & importance

Nosocomial infections (NI) occurs in a healthcare setting Health-care associated (HCA) infection occurs during care of a patient

Bloodstream infections are the 4th most common NI in France Half of the cases are associated with a vascular catheter

Reducing invasive device-related bloodstream infections is a **major priority** of the national program prevention of HCA infections in France



programme national d'actions de prévention des infections associées aux soins

Aim & objectives

In our hospital: increase of health-care associated bloodstream infections (HCA-BSI) including those related to invasive devices /

Describe HCA-BSI acquired

In order to **reduce** the number of

By promoting the

right use

IPC responsable of

National average =

0,96 per 1000 DH

HCA-BSI



infections related to invasive devices

Material & methods Q

We applied the methodology of the French network SPIADI to compare our results with those of the other monitored hospitals-



Enterobacteriaceae were mostly responsible for HCA-BSI with a urinary portal-of-entry

Staphylococci were mostly responsible for central line associated bloodstream infections

			/	$\sim \omega$		-	
	Half of HCA-BSI with a	/				0	
	entry → patient with urinary catheters in the previous 7 days before infection Average time for HCA-BSI urinary portal-of- entry with urinary catheters (days) N= 18		Average time for HCA-BSI catheter portal-of-entry (days) N=40				
					2—		
						8	=
			Min	2			
			Max	2132	0		
	Min	1	Median	80,5	0—		
	Max	48	[quartil 1; quartil 3]	[19,75;258]	All H	CA- BSI	
	Median	g			Natio	nal averag	ge=
	[quartil 1; quartil 3]	[3;18]			3,65	per 1000 [ЭН

Conclusion & relevance

In light of these results, we implemented a strategy involving the **reporting of surveillance data**, the **updating of protocols** with professionals, **practice observations**, and the **training of professionals** in charge of handling invasive devices. The impact of all these measures will be assessed through the results of future monitoring.