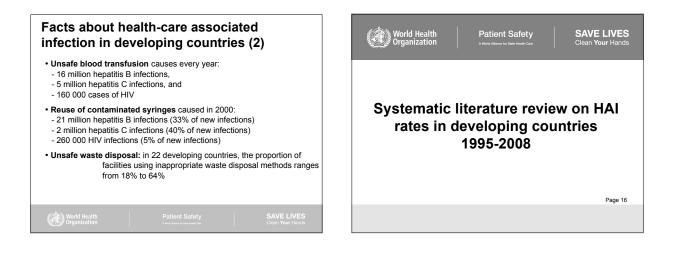
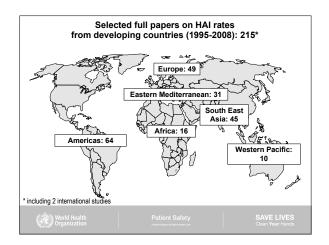


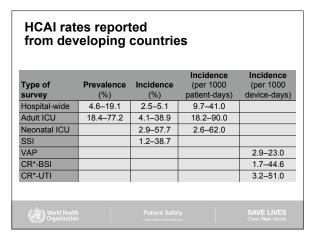
HCAI burden in Europe • Europe: prevalence 3.5–14.8%

- Norway: nation-wide prevalence of 5.7% in 2007 (Eurosurveillance)
- France: in a 4-year multicentre study (2001–2004), HCAI prevalence of 6.1%, varying from 1.9% (low risk patients) to 15.2% (high risk patients) (Floret N, et al. JHI 2004)
- Italy: in a region-wide prevalence study in in 2003, HCAI prevalence of 7.6% (Pellizzer P, et al. Infection 2008)
- Switzerland: in 18 health-care facilities across the country, overall HCAI prevalence of 10.1%; 70,000 cases/year; annual cost: CHF 230-300 mio (Sax H, et al. Arch Int Med 2002)
- UK and Republic of Ireland: overall prevalence of 7.6% (Smyth ETM et al. JHI 2008)
- Scotland: overall prevalence 9.5% in acute hospitals; additional length of stay 3.2-13.7 days; annual costs: £183 mio per year (Reilly E et al. JHI 2008)

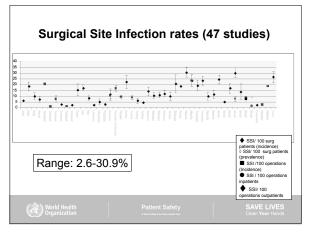
The impact of HCAI	Facts about health-care associated infection in developing countries (1)
 HCAI can cause: more serious illness prolongation of stay in a health-care facility long-term disability excess deaths high additional financial burden high personal costs on patients and their families 	 The risk of infection is 2-20 times higher than in developed countries, and the proportion of patients infected can exceed 25% (Allegranzi B & Pittet D. ICHE 2007;28:1323-27) The rates of BSI in neonates are 3-20 times higher in developing countries, and, in some countries, approximately half of the patients in neonatal ICUs acquire an infection, and case fatality rates may reach 52% (Zaidi AKM et al. <i>Lancet</i> 2005; 365:1175-1188) The rates of VAP vary from 10 to 41.7 per 1000 ventilator-days; VAP is associated with a crude mortality ranging from 16% to 94% and with increased ICU LOS (Arabi Y et al. Int J Infect Dis 2008;12:505-12)
World Health Patient Safety SAVE LIVES Organization Clean Your Hands	World Health Patient Safety SAVE LIVES Organization Court Your Hands

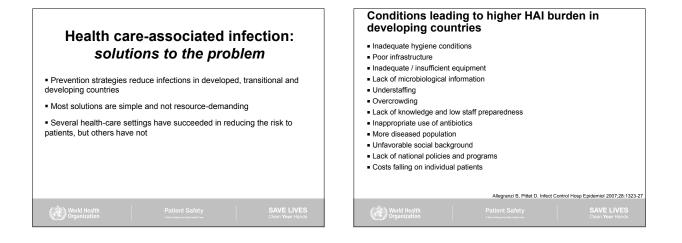


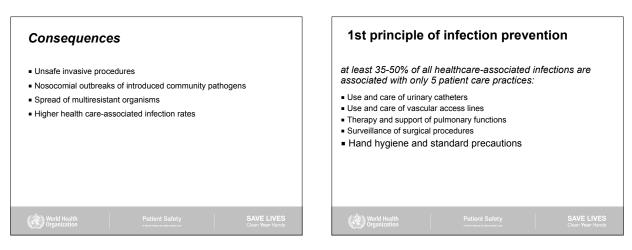


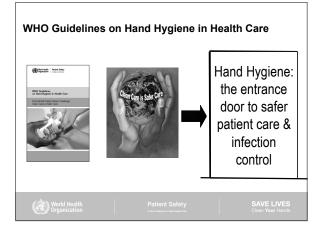


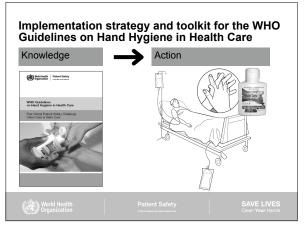
Surveillance network, study period, country	Setting	N° patients	CR-BSI*	VAP*	CR-UTI*
INICC, 2003–2005, 5 developing countries† ¹	PICU	1,529	16.1	10.6	5.3
NNIS, 2006–2007, USA ²	PICU#	1	2.9	2.1	5.0
INICC, 2002–2007, 18 developing countries‡ ^{3*}	Adult ICU	43,114	9.2	19.5	6.5
NNIS, 2006–2007, USA ²	Adult ICU#	1	1.5	3.1	2.3
* Overall (pooled mean) infection rates/1000 device days NICC = International Nosocomial Infection Control Consortium; NNIS = National Nosocomial Infection Surveillance system; PICU = pediatine instrevice are unit. CP-B3 = catefine-related bloodstream infection; VAP = ventilator-associated preumonia; CR-UTI = catheter-related urinary tract infection.					
oneumonia; CR-UTI = catheter-related	urinary tract infe	ction.			
	008 o/ 2008 Turkey Rica, Cuba, El Sa		sova, Lebanon, N	facedonia, Mexic	

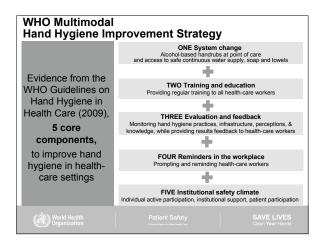


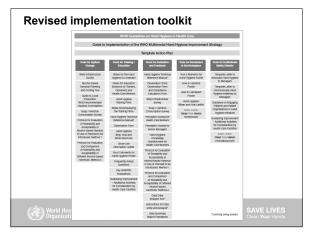


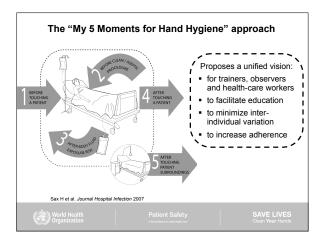


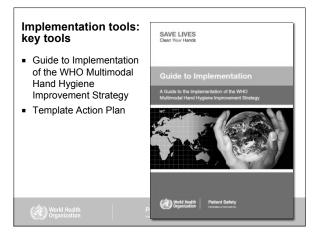


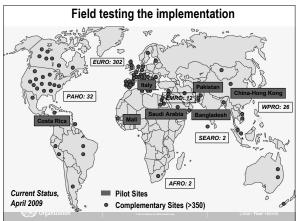


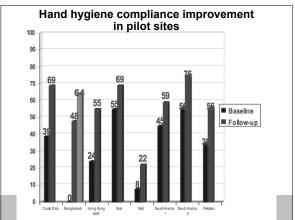


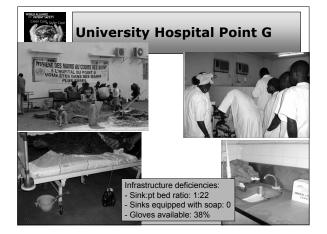






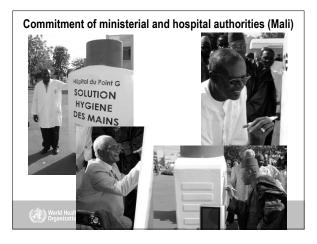


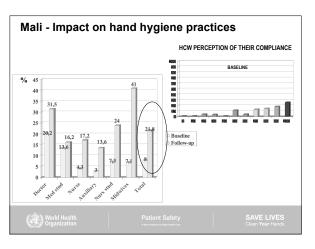




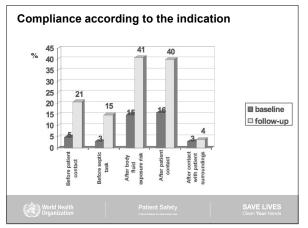


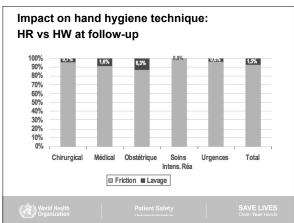


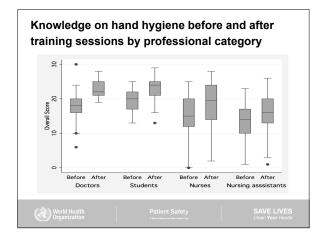


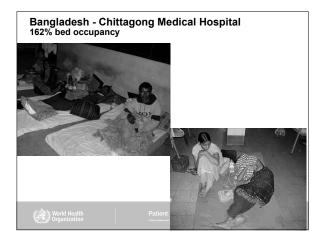


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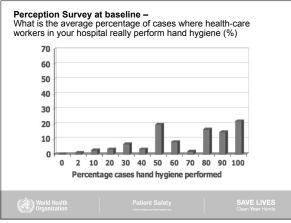




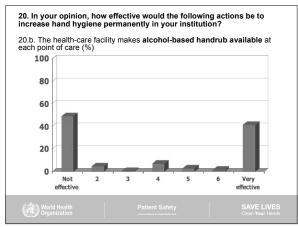


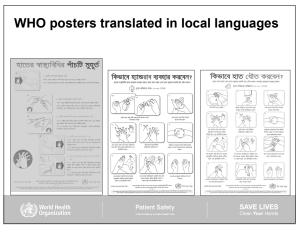


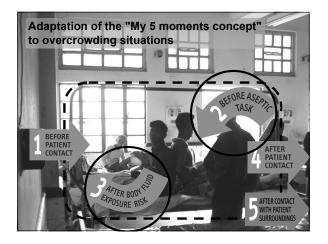




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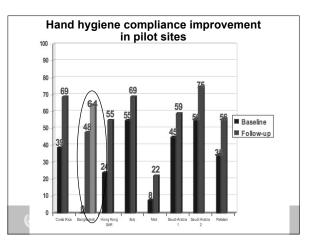




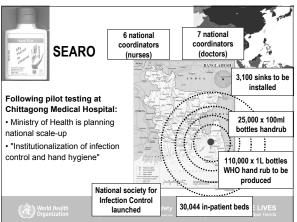


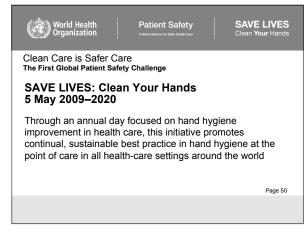


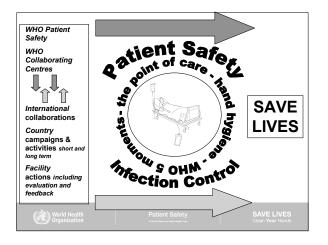


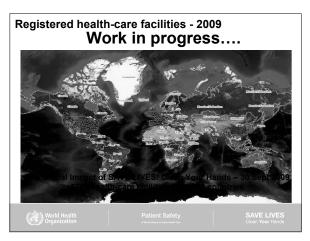


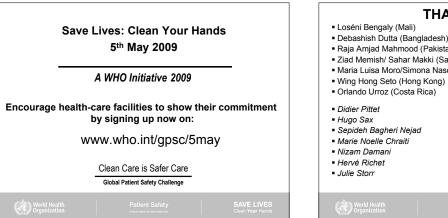
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