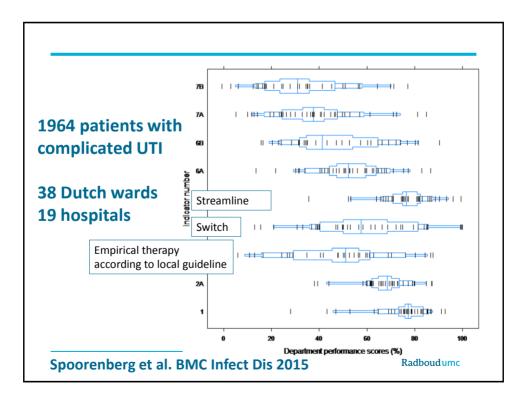




Quality indicator	Adherence (median, %)	Range (eight hospitals, %)	Supporting evidence ^b		
1. Timely initiation of antibiotic therapy (within 4 h after presentation)	68	36–87	В		
2. Empirical antibiotic regimen according to national guidelines	45	5–59	В		
 Adapting dose and dose interval of antibiotics to renal function 	77	40-100	D		
 Switching from iv to oral therapy, according to existing criteria and when clinically stable 	81	35–93	В		
 Changing broad-spectrum empirical into pathogen-directed therapy (streamlining therapy) 	80	50-100	С		
 Stopping antibiotic therapy after three consecutive days of defervescence^a 	11	2–32	D		
 Taking two sets of blood samples for culture 	57	48–67	В		
 Obtaining sputum samples for Gram stain and culture 	54	24–100	D		
9. Urine antigen testing against Legionella spp. upon clinical suspicion	84	67–100	В		
	498 CAP	patients, 8	hospital		
	internal	internal & respiratory ward			



	Indicator	n/N	Performance 9 (range)
	1. Prescribe empirical antibiotic therapy according to guideline	563/1361	41 (24–58)
1890 adult	 Before starting antibiotic therapy, two sets of blood cultures should be taken 	674/1890	36 (9-59)
patients treated for a suspected	 When starting antibiotic therapy, cultures should be taken from suspected sites of infection 	595/1217	49 (33–73)
bacterial infection	 An antibiotic plan should be documented in the case notes at the start of antibiotic therapy 	1145/1890	61 (23–98)
	 Antibiotic therapy should be switched from i.v. to oral therapy within 48-72 hr 	134/422	32 (5-50)
non-ICU	 Empirical antibiotic therapy should be changed to pathogen-directed therapy if culture results become 	228/453	50 (21-85)
departments	available 12. Local antibiotic guidelines should	0/20	$0(63-94^{a})$
22 hospitals	correspond to the national antibiotic guidelines, but should deviate based on local resistance patterns	0/20	0(05-54)
	^a Not one hospital had local guidelines tha lines completely, so performance was 0%, but the national guidelines ranged from 63–94%	the % of overlap b	etween the local a

