

	MeshHp project
Initiated by Patrick	Kreuz, German Embassy in UB in 2009.
Hygiene experts fro Clinics) and Fire Bi	om Germany: Hospital Hygiene (University rigade Essen.
Pilot Units in UB: First National C Second Nation Chingeltei Dist Emergency Se	Central Hospital al Central Hospital rict Hospital rvice 103
Visiting groups in L	IB and Essen.
MeshHp: Mongolia Own website: <u>www</u> Part of cooperation	n emergency service hospital Hygiene project. .meshhp.mn treaty of both MoH.



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	<ul> <li>Join the survey</li> </ul>	by Prof. Dr. W. Page, University Circus Essen, Germany		
		5. by Hr. J. Spore, Fire Brigade Essen, Germany	**	
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	October 23, 2012 11:15	<ol> <li>Assessment of Haspital hyperte in Monaple - and - 5.555 by Prof. Dr. W. Popp, University Clinics Essan, Garmany</li> </ol>	H	
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Hepatitis B and C carriers in Mongolia					
year	group	n	Нер В	Hep C	Ref.
< 1998	outpatients	150	28.7 %	48.0 %	Fujioka 1998
2002	adults	249	10 %	14 %	Takahashi 2004
2003	Blood donors	17,537	7.7 %	7.5 %	Oyunbileg 2004
2004	Blood donors	403	8.2 %	5.2 %	Tsatsralt-Od 2005
2003- 2005	adults	1.512		11.0 %	Baatarkhuu 2008
	nurses	96		20.8 %	
2004- 2005	Blood donors	923	7.8 %	9.6 %	Tserenpuntsag 2010
	18/19y males	96	19.8 %	5.3 %	
2009	Army soldiers	> 550	15.5 %	2.0 %	Pers. Comm.

	Possible reasons for high hepatitis prevalence in Mongolia
Blood produ	ucts are not consequently tested in countryside.
Traditional ı Bloodletting	nedicine, acupuncture, tattoing, especially in countryside. – kind of folk medicine in rural areas.
In former de cooked in b	ecades one glas syringe was used for all family members which was only oiling water.
Self injectio	n practice in families and toothbrush sharing, especially in rural areas.
Insufficient rural areas.	reprocessing of medical devices. This is presumed especially for dentists in
Many iv app	plications of drugs in hospitals without real indications (eg vitamins).
Pregnancy. birth (eg no	It must be an open question whether hepatitis is transmitted sexually or by t sterile instruments).
Insufficient	vaccination: old vaccines, transport in winter.
Sexual beh	aviour: little is known about that, but increasing number of STDs,

















	Hospital hygiene in Mongolia
MoH numbers o	of nosocomial infections: 0.01 – 0.05 %.
Prevalence stu	dy: 5.4 %.
Antibiotics: Used too o Freely avai	ften (eg before every operation) lable everywhere
Microbiologic la	aboratories:
Bad quality	of results
No statistic	s about resistance rates
Mongolia takes	part in WHO "Clean care is safer care" –
but no alcoholio	c handrub available.
Reprocessing of autoclaves, old	of medical devices: manual only, no control of machines and containers only.











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Next steps
mprove reprocessing of medical devices.
fore training and more intensive training.
rain staff of not-pilot hospitals (done by trained trainers). Extend on other hospitals.
ntibiotic policy.
ligher quality level of microbiologic labs.
ake part in Health 5 project of ADB.
herapy of hepatitis virus carriers in hospital staff.
second MeshHp symposium this year and first national one.

	Journal of Hospital Infection 75 (2010) 214–219	
	Available online at www.sciencedirect.com	
	Journal of Hospital Infection	25
ELSEVIER	journal homepage: www.elsevierhealth.com/journals/jhin	
Prevalence of Mongolian h	f hospital-acquired infections and antibiotic use in two ospitals	tertiary
BE. Ider <sup>a,*</sup> , A. C	Clements <sup>a, b</sup> , J. Adams <sup>a</sup> , M. Whitby <sup>c</sup> , T. Muugolog <sup>d, e</sup>	
<sup>4</sup> University of Queensland, S <sup>b</sup> Australian Centre for Intern <sup>c</sup> Infection Management Serv <sup>d</sup> Hospital Related Infection 1 <sup>c</sup> Mongollan Association of In-	School of Population Health, Brisbane, Queensiand, Australia national and Tropical Health, Queensland institute of Medical Research, Brishane, Queensland, Australia Aces, Princess Alexandro Hospital, Brisbane, Queensland, Australia Surveillance and Research Unit, National Center for Communicable Diseases, Ulaanbootar, Mongolia nfection Control Professionals, Ulaanbootar, Mongolia	
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SUMMARY

Health statistics of Mongolia indicate that hospital-acquired infections (HAIs) occur in 0.01–0.05% of all hospital admissions. This is considerably lower than internationally reported rates. A one-day survey was conducted in two tertiary hospitals of Ulaanbaatar in September 2008 to estimate HAI prevalence, associated risk factors and patterns of antibiotic usage. Among 933 patients surveyed, 50 (5.4%) were diagnosed with HAI. Prevalence of surgical site infection was 1.1% (3.9% among surgical patients), bloodstream infection 0.3%, respiratory tract infection 1.3%, urinary tract infection 1.3%, and other HAI 1.4%. Microbiological investigations were only documented for 18.9% of all patients. A total of 558 patients (59.8%) were taking 902 courses of antibiotics; 92.1% of patients were prescribed antibiotics without a sensitivity test. Multiple logistic regression analysis revealed that HAI was significantly associated with the admission source, the hospital, length of hospital stay, surgical and other invasive procedures, urinary catheters and other indwelling devices. The study results were comparable with reports from some other developing countries and confirm that official statistics underestimate the true frequency of HAI in Mongolia.

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