

Pseudomonas aeruginosa from uncontrolled water systems. Risk Assessment Form



Activity being assessed:		Hazards identified: ✓					
Identification of areas within NHS GGC within which patients may be at a higher risk of from pseudomonas and related infections.		Violence and aggression		Blood and body fluids		Radiation	
		Lone working		Machinery/equipment		Fire / Sources of ignition	
		Sharps		Hazardous substances	✓	Ergonomic	
		Slips, trips, falls		Electricity		Work methodology	✓
		Manual Handling		Weather		Environment	✓
Department:	Estates	Additional information:	<p><i>Pseudomonas aeruginosa</i> (Pa), and other similar opportunistic pathogens, are micro-organisms that can cause outbreaks in any healthcare setting where patients are immunocompromised through drugs, disease, invasive device use or the presence of wounds. There have been serious healthcare associated outbreaks mainly in Neonatal Units and Intensive Care Units (adult and paediatric) attributed to Pa where the source of the organism was thought to be tap water. A review of all blood cultures for <i>Pseudomonas aeruginosa</i> in NHS GGC is undertaken every year, to identify areas with a pragmatic trigger of 2 or more patients with Pa in a blood culture in a 2 week period. Intensive care and transplant units across NHS GGC are automatically classed as high risk. Other than these areas, no other areas were identified in the previous year. Table 1 shows areas and actions required following risk assessment.</p>				
Location:	NHSGGC Estate Specifically listed locations Appendix 1						
Person(s) exposed:							
Control measures currently in place:					Specific risk assessments or guidance to be referred to:		
<p>Water Safety Systems Policy and Written Scheme IPC and FMT audit tools Standard Operating Procedure (SOP) IPC Water Safety (Pa) Checklist Ongoing review of epidemiology of Pseudomonas in blood culture in all in-patient areas. Ongoing review of all Pa isolates in NICU and ICUs across GGC.</p>							

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Evaluation of Risk:						Additional Control Measures Required:																																											
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<p>Likelihood x Severity = Risk level</p> <p>2 x 3 = 6 (Medium)</p>						<p>Responsible Manager for arranging additional controls:</p>																																											
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Low Risk	Medium Risk ✓	High Risk	Very High Risk	SCN's		Signature:																																											

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Risk Level Acceptable: ✓		Date additional controls to be in place:			
Yes ✓ <i>(If medium risk indicate any additional controls desirable)</i>	No <i>(Indicate additional controls required)</i>	ongoing			
Final Risk Level: ✓		Low	Medium ✓	High	Very High

Requirement to Add to Risk Register? ✓	Y	N ✓	Requirement to share Risk Assessment? ✓	Y ✓	N	Services / Depts. shared with:	Board Water Safety Group. IPC Committees
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Assessed by / Job Title:	Date:	Review Date:
Dr Aleks Marek Consultant Microbiologist Kate Hamilton Acting Nurse Consultant IPC David Mains Health and Safety Service Manager	July 2023	June 2024

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Appendix 1

Site	Hospital	Ward	Assessment
GRI	GRI	ICU W / ICU E	Water Safety Written Scheme
GRI	GRI	Ward 45	Water Safety Written Scheme
GRI	PRM	NICU / SCBU	Water Safety Written Scheme
IRH	IRH	J South	Water Safety Written Scheme
QEUH	Adult hospital	ITUs, HDU, 7a and 7d	Water Safety Written Scheme
QEUH	Adult hospital	4a, 4c and 4d	Water Safety Written Scheme
QEUH	INS	ITU /HDU/Spinal Unit	Water Safety Written Scheme
QEUH	Maternity Building	NICU and SCBU	Water Safety Written Scheme
QEUH	RHC	PICU	Water Safety Written Scheme
QEUH	RHC	3a, 3b, 3c and 2c.	Water Safety Written Scheme
QEUH	RHC	2a and 2b	Water Safety Written Scheme
QEUH	Adult hospital	Ward 4b	Water Safety Written Scheme
RAH	RAH	ICU	Water Safety Written Scheme
RAH	Maternity Unit	SCBU/NICU	Water Safety Written Scheme
GGH	WoSCC	Wards	Water Safety Written Scheme