

Strategies for Success: A Step-by-Step Guide to the Annual Infection Control Risk Assessment

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Introduction





Components of an Effective Infection Control Program

- An infection preventionist and multidisciplinary team to oversee the infection control program
- Completion of an annual risk assessment
- Infection control plan
- An effective surveillance program
 - A system for obtaining, managing, and reporting data
 - Use of surveillance findings in the QAPI process
- Infection control plan evaluation



What Is an Infection Control Risk Assessment?

- An infection control risk assessment is a living document that is tailored to the facility, and updated annually or when there are significant changes [1]
- Examples of significant changes include:
 - A change of building ownership
 - Addition of a service line
 - Changes in staffing or turnover.



Common Risks in Healthcare Settings

- Why perform an annual risk assessment?
- Helps focus our activities on essential tasks to reduce critical infection control risks
- Risks may be associated with:
 - Local, state, and federal laws
 - Environmental factors
 - Policies and procedures
 - Medication and vaccine availability
 - High-risk Resident Populations served at the facility
 - High Risk Procedures or Services provided at the facility



Understanding the Risk Assessment Process

- "An IPC risk assessment is a careful, proactive examination of events that could cause infections, harm, or even death to residents, staff, families, or visitors." 1
- Risks are assessed with input from the multidisciplinary team.
- Prioritized risks are used to develop objectives for the coming year's infection control plan



Steps to Completing the Annual Risk Assessment

Develop Perform the Method Assessment • Who will assist • How will these Identify internal and in the risks be Base Qualitative assessment? external risks addressed? assessment on Quantitative facility data Gather the Establish Develop the Team **Priorities** Plan



Step One: Gather the Team





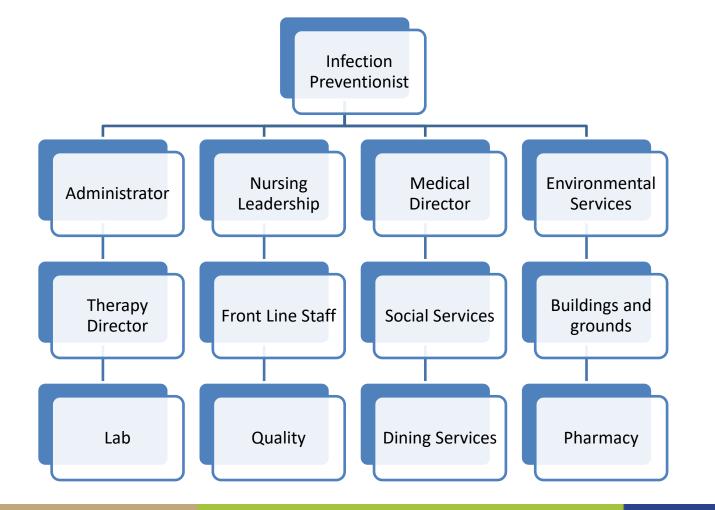
Step One: Gather the Team

 The interdisciplinary infection control team determines goals and objectives for the infection control program by performing an annual risk assessment.





Step One: Gather the Team







Step Two: Develop a Method

- Decide which type of tool to use for your assessment
- Quantitative Method Using numbers to rate the risk events
- Qualitative Method Using written descriptions of the risk events to identify potential harms



- For today's discussion we will utilize a quantitative risk assessment
- There are no right or wrong answers
- Allow appropriate amount of time for the team to gather data as the team may need information from medical records or other departments.



INFECTION EVENT	PROBABIL	ITY OF OC	CURRENCE		LEVEL OF	HARM FRO	M EVENT		IMPACT O	N CARE			READINES	S TO PREV	ENT	RISK LEVEL
	(How likely	is this to d	occur?)		(What wou	ld be the m	ost likely?)		(Will new t	reatment/ca	are be need	led for resi	(Are proce	sses/resou	rces in plac	(Scores ≥ 8 are considered high
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Facility-onset Infections(s)																
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Conjunctivitis																
Group A Streptococcus*																
MDRO																



Step Three: Establish Priorities

- Remember: Each organization's priorities will be different.
- Risks for developing an infection and transmitting pathogens are based on:
 - Internal risks
 - External risks
- Infections occurring in your facility
- Resident population served
- Care and services provided
 - Wound care
 - IV therapy
 - Trach
- Adherence to IPC policies and procedures



Tips and Reminders

- Include both actual and potential risks in your assessment
- Include data from infection control rounds and other observations
 - If data is not available from your facility, consider community data or data from literature
- Identify potential risks from current global threats



Perform the Assessment





INFECTION EVENT	PROBABIL	LITY OF OC	CURRENCE	E .	LEVEL OF	HARM FRO	M EVENT		IMPACT O	N CARE		_	READINES	S TO PREV	/ENT	RISK LEVEL
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Probability of Occurrence

- Based on:
 - Prior occurrence
 - Frequency in facility
 - Vaccine acceptance



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Level of Harm

- Prior morbidity, hospital transfers
 - Did many resident transfer out?
 - Were symptoms mild due to processes, early detection, vaccination?
- Prior mortality
 - Has there been a high mortality rate for this issue in the past?
- Risk factors
 - Is there a high number of immunocompromised residents?
 - Is there a high number of residents with risk factors that may complicate the issue?



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Impact on Care

- Need for new treatment
 - Will you have to stock new medications?
 - Will you have to offer additional treatments?
 - If so what impact will that have on staff?
- Changes in level of care or support
- Restrictions on facility access for staff, residents or visitors
 - Will you have to close a unit?
 - Will you have to stop visitation?
 - Will you have to stop admissions?



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Readiness to Prevent

- Surveillance processes
 - Is there a process in place?
- Policies and procedures
 - Are there strong policies, which are updated at least annually?
- Performance monitor
 - How is performance measured?
- Staff vaccination rate
- Adherence to sick-leave policies
 - Presenteeism
 - Adherence to masking, hand hygiene



IPC Practice Failure Tab

PC PRACTICE FAILURES	PROBABIL	ITY OF OC	CURRENCE		IMPACT O	N RESIDEN	T/STAFF S	AFETY	CAPACITY			READINES			RISK LEVEL
	(How likely	is this to o	occur?)		(Will this fa	ailure direct	tly impact s	afety?)	(Are proce	sses in pla	ce to ident	(Are policie	es, procedi	ires, and re	(Scores ≥ 8 are considered high
Score	High	Med.	Low	None	High	Med.	Low	None	Poor	Fair	Good	Poor	Fair	Good	
	3	2	1	0	3	2	1	0	3	2	1	3	2	1	
Care activity															
Lack of accessible alcohol-															
based hand rub															
Antibiotic Stewardship															
Inappropriate selection and use of PPE															
Inadequate staff adherence															
to hand hygiene															
Inadequate staff adherence															
to glove and gown use															
when resident in Contact															
Precautions															
Inadequate staff adherence															
to facemask use when															
resident in Droplet															
Precautions															
Other															
(specify):															
Other															
(specify):															
Occupational health															
Low influenza immunization															
rates among staff															
Lack of notification of															
employee illness or working															
sick															
Low compliance with annual															
tuberculosis (TB) screening															
among staff															
Other															
(specify):															
Infection quests IDC	practice falls	roc O													



IPC Practice Failure Tab

- Probability of occurrence
 - Frequency the practice is performed based on staff activities
 - Adherence to proper procedure
- Impact on resident/staff safety
 - What harm to residents, staff, and visitors can occur from the practice failure?
- Capacity to detect
 - Results of monitoring practices
- Readiness to prevent
 - Strong policies/procedures
 - Access to necessary supplies
 - Training and monitoring programs



INFECTION EVENT	PROBABIL	ITY OF OC	CURRENCE	E	LEVEL OF	HARM FRO	M EVENT		IMPACT O	N CARE			READINES	S TO PREV	/ENT	RISK LEVEL
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Conjunctivitis					-											
Group A Streptococcus*																
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Tallying the Score

INFECTION EVENT	PROBABIL	LITY OF OC	CURRENCE	E	LEVEL OF	HARM FRO	MEVENT		IMPACTO	N CARE			READINES	SS TO PREV	VENT	RISK LEVEL			$\overline{}$	\top	\neg
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Norovirus gastroenteritis*	-	2				2			-	2		_		2		8	-	\rightarrow	$\overline{}$	+	_
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Tallying the Score

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Facility-onset Infections(s)	_	_																-	$\overline{}$	-	\neg
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Catheter-associated urinary																					
tract infection (CAUTI)	3					2					1		3			9					
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(CLABSI)	1 /		1		3					2					1	8					
Tracheostomy-associated																					
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Percutaneous-gastrostomy																					
insertion site infection			1			2					1				1	5					
Wound infection	3						1					1			1	6					
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Cellulitis/soft tissue	3						1				1				1	6					
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Other viral respiratory																					
pathogens*	3						1					0			1	4					
Norovirus gastroenteritis*		2				2				2				2		8					
Bacterial gastroenteritis															'						
(e.g.,Salmonella, Shigella)	3					2					1				1	7					
Scabies	3						1				1				1	5					
Conjunctivitis			1				1					0		2		4					
Group A Streptococcus*	3						1				1				1	6					
MDRO			1			2				2				2		7					
Other (specify):																					
* Risk assessment should tak	e into accour	nt the frequno	y of this disc	ease in the c	community as	part of deter	mining prob	ability of oc	currence. Dat	ta from State	stocal health	department	may be infor	mative.							
Date Prepared:																					
Adapted from https://spice.un	c edu'resourr	ces/template	-risk-assess	ment-for-ttc/																	
	-																				



Develop the Plan

- Interdisciplinary team compiles a list of high-scoring risks
- Develop plan for risk reduction
- Share results with leadership and frontline staff



Resources & Educational Campaigns related to the Annual Risk Assessment

- Quality Insights
 - https://www.qualityinsights.org/qin/resources
- Centers for Disease Control and Prevention (CDC) Risk Assessment Template
 - https://www.cdc.gov/longtermcare/excel/IPC-RiskAssessment.xlsx
- Pennsylvania Department of Health (DOH) Infection Control Plan Toolkit
 - https://www.health.pa.gov/topics/Documents/Programs/HAIP-AS/PA%20DOH%20IC%20Plan%20Toolkit.pdf
- Society for Healthcare Epidemiology of America (SHEA)/Association for Professionals in Infection Control and Epidemiology (APIC) Guideline: Infection Prevention and Control in the Long-Term Care Facility
 - https://oeps.wv.gov/ic/Documents/hcp/SHEA_IC_LTCF_Guidance.pdf



Questions?



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Thank You for Joining Us!

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