Enterprise risk management (ERM)

ERM is a risk based approach that includes the methods and processes to manage risks.

ERM provides a framework for risk management, which typically involves:

- 1 identifying particular events or circumstances relevant to the organization
- 2 assessing them in terms of likelihood and magnitude of impact,
- 3 determining a response strategy, and
- 4 monitoring progress.

It is recommended that the ERM be completely updated by management and reviewed on an annual basis by the Board

It is recommended that Management update any changes to the risk scores on a quarterly basis and report as required to the Board on any risk that is medium (6) or higher.

Response Map

The Response Map is a weighting grid that combines the risk score of the probability and impact that an individual risk may have on the organization For example:

- if a risk is scored as a probability of 1 and an impact of 3, then the Risk Exposure is 3 (Low Risk)
- if a risk is scored as a probability of 3 and an impact of 1, then the Risk Exposure is 3 (Low Risk)
- Both of these then have the same degree of exposure to the organization although they are caused by different factors
- if a risk is scored as a probability of 3 and an impact of 3, then the Risk Exposure is 9 (High Risk)

Risk Tool

The Risk Tool is used to quantify the impact that all identified risks pose to the organization.

- Individual risks are identified (Risk Description) and a description of the impact that it poses to the organization is noted
- The risk is then rated on a scale of 1 to 5 (5 being an extreme risk) as to the probability of the event occurring.
- The risk is then rated on a scale of 1 to 5 (5 being an extreme risk) as to the impact on the organization should the event occur.
- The risk is then given calculated risk exposure weighting using the combination of the probability and impact scores. (See Response Map below)
- In all cases, management describes what actions they have taken to mitigate the risk exposure (Mitigation)
- The mitigating actions do not factor into the risk exposure score but are considered when the board reviews what further action may be needed when viewing the Risk Tracking Log

ALGOMA NPLC 5x5 RISK MATRIX

Adapted from: Winnipeg Regional Health Authority, 2004; VON Canada, 2015; North M

Consequence	Likelihood								
	1 - Very Low 2 - Low		3 - Medium	4 - High	5 - Very High				
5 - Very High	5	10	15	20	25				
4 - High	4	8	12	16	20				
3 - Medium	3	6	9	12	15				
2 - Low	2	4	6	8	10				
1 - Very Low	1	2	3	4	5				

Risk Grading

1 to 3	Low
4 to 6	Moderate
8 to 12	High
15 to 25	Extreme

	Assessme	ent of liklihood/	frequency/proba	bility	
Category	Very Low	Low	Medium	High	Very High
Broad desciptors	* Will probably never occur/ recur * Rare	* Do not expect it to happen/recur but it is possible * Unlikely	*Might happen or recur occasionally * Possible	* Will probably happen/recur *Likely	* Will undoubtedly happen/recur, possibly frequently * Almost certain
Frequency	* Not expected to occur for years	*Expected to occur at least annually	* Expected to occur at least monthly	*Expected to occur at least weely	* Expected to occur at least daily
Probability	* <0.1%	* 0.1-1%	1-10%	10-50%	>50%

Assessment of Potential Impact/Concequence

Dimension	Very Low	Low	Medium	High	Very High	
Broad Discriptor	Negligible	Minor	Moderate	Major	Catastrophic	
Physical/Psycholo gical Harm	* Minimal harm * No/ minimal treatment required * No time off of work	* Minor harm or illness * Minor treatment required * Time off work for <3 days * Increase in LOS by 1-3 days	harm • Professional intervention required • Time off work for 4-14 days • Increase in LOS by 4-15 days	Major harm leading to long-term incapacity or disability Time off work for >14 days Increase in LOS by >15 days Mismanagem ent of patient care with	Incident may lead to death Multiple permanent instances of harm, irreversible health effects An event that impacts a large number of patients	
Medication	Incorrect medication dispensed but not taken	Wrong drug or dosage administered with no adverse effects	 Wrong drug or dosage administered with potential adverse effects 	or dosage administered with adverse	Wrong drug or dosage administered – unexpected death	

Disengaged staff	Low level of internal grievances	Grievances occurring but not in large numbers	 Grievances show an increasing pattern Low staff morale 	 Grievances are increasing and more pervasive Very low staff morale 	 Grievances preoccupy the organization, arbitration and external review Loss of several key staff
Security/Safety	• Incident without harm (graze)	 Incident involving pushing, shoving or pinching causing minor injury (bruise) Self-harm resulting in minor injuries 	 Physical attack causing moderate injury Self-harm requiring medical attention 	Physical attack resulting in serious injury	Unexpected death Suicide of patient Sexual assault / rape
Financial Loss	Small loss Minimal risk of claim	• 1% of budget • Claim <\$10k	1-2% of budgetClaim \$10k- \$100k	2-5% of budgetClaim \$100k- \$1M	• >5% of budget • Claim >\$1M
Reputation with stakeholders (including: community, donor, media, gov't, public, partners)	Rumours Potential stakeholder concern	Local media coverage (short term) Elements of stakeholder expectation not met	Local media coverage (sustained) Short-term reduction in stakeholder confidence	National media coverage (short-term) Potential for political involvement Longer-term reduction in stakeholder confidence	 National media coverage (sustained) Political intervention Sr. leader termination Long-term reduction in stakeholder

Service/ business interruption	• Interruption of >1 hour	• Interruption of >8 hours	• Interruption of >1 day	• Interruption of >1 week	Extended service disruption
Compliance	Minor non- compliance statutory duty	Single failure to meet external standards or follow protocol Recommendati ons to comply with external agency	Repeated failures to meet external standards Orders issued, report required by external agency	breeches /non- compliance	Gross failure to meet standards Maximum fines Criminal code violation Impact on affiliation agreements
Business Objectives/ Projects	Insignificant schedule delay	Minor schedule delay Small number of objectives not met		Significant schedule delayKey objectives not met	Initiative not implemented Key objectives not met

	ALGOMA NPLC									
Risk Domain	Risk Profile	Risk	Impact	Assess	Liklihood Assessm ent	Risk Score	Mitigation Strategies/Activities	Responsible	Accountable	Comments
NISK DOMAIN		Due to variability of operations and services, actual costs may vary	Inability to pay expenses	mont	CIIC	OCOIC	Routine variance report	OA ED	ED	Comments
	Costs	from budget. Possibility of being in a deficit or large surplus at the end of the fiscal					Procurement/purchase policy (cost containment)	OA ED	ED	
		year					Reallocation request to MOHLTC	OA ED	ED	
		Fraud Theft	negative impact on its finances, operations, employee morale, reputation, community/partner relations and credibility with funding				Procurement/purchase policy	ED	Board	
			agencies.				Regular auditing of policy compliance Police background checks	External Auditor OA/ED	Board Board	
	Fraud						Whistleblower mechanism	ED	Board	Policy and procedure for whistle blower mechanism to be created
								OA/ED	Board	
							Monthly credit card reconciliation by board treasurer	Board Treasuer	Board	
Financial				4	1	4	Monthly financial discussions with board treasurer and bookkeeper		Board	
	Inefficiencies	Situations where policies and procedures are insufficient to offer guidance and consistent processes	negative impact on service delivery, employee retention and performance, or community partnerships inability to provide patient centered care due to inadequate resources	S			Regular demonstration that the clinic is meeting quarterly objectives (Longtidudinal patient moitoring, active participation on OHT financial planning table)	ED	Board	
		Insufficient staff knowledge/ competence		1	2	9	Appropriate training and support	OA/ED/Finance Committee	Board	
		Funding reduction from MOHLTC with little notice Inability to demonstrate value	reduced capacity to cover expenditures				 To secure future funding, strategic focus should shift towards articulating a qualitative and quantitative value proposition within OHT environment (follow quadruple aim framework) 	ED	Board	
	Revenue		Further reduction of funding from ministry							Longtitudinal patient monitoring, client satisfaction, health outcomes, and staff retention
		Having a large year end surplus		3	2	2 6	Monitor surplus monthly and proactively creating a expenditure plan to be executed by Q3	OA/ED/Finance Committee	Board	
		Inability to recruit staff	Burnout or loss of staff morale during periods of understaffing Inability to provide services as agreed in the evergreen agreement				Compensation, incentives and benefits practices	OA/ED	Board	
		Unqualified/unlicensed staff.	Inability to provide safe and timely care for current patient roster				Implement hiring checklist / annual HR checklist	OA	ED	
	Recruitment	Inadequate short-term staffing					(incl. license/insurance renewal) Process in place to promptly address short-term staffing needs.			
				4		2 8				
			Burnout or loss of staff morale during periods of understaffing lnability to provide services as agreed in the evergreen agreement lnability to provide safe and timely care for current patient roster				Monitor and address staff satisfaction	OA	ED	
			Significant operation and or governane disruptions				Continuing education program	OA	ED	
		Sudden departure of key staff					Contingency plan developed for key staff (e.g., ED, OA, NP Lead, Board Chair) -compliance with the ministry's Recruitment and	OA	ED	
	Retention						 compilance with the ministry's Recruitment and retention recommendations to prioritize identified key positions 			We need to confrim that there is a contingenecy plan to mitigate sudden departure of board chair We will consult HR Downloads for succession planning best practice
							Identification of potential interim staff	OA	ED	
							Succession planning practices could assist during transition	OA	ED	
				3	1	3	Effective knowledge transfer practices	OA	ED	
Human Resources	Physical Injuries	Improper handling of sharps Manual handling of heavy loads Misuse or failure of equipment Inadequate safety training	Can result in increased absenteeism, reduced staff engagement, increased staff turnover, and can negatively impact patient care.				Ensure effective safety program is in effect and optimal compliance with Occupational Health and Safety Act (Ministry of Labour)	OA/ Occupational Health and Safety Committee	ED	
		- Slips/trips/falls					0	0.4	50	monthly H&S inspection
				3	1	3	Occupational Health and Safety policies and functioning committee	OA	ED	

	Inadequate workplace environment/culture	Can negatively impact the quality of patient care and can lead to			Ensure effective safety program is in effect and	OA/ Occupational Health and	ED
		decreased staff morale, increased absenteeism, increased			optimal compliance with Occupational Health and	Safety Committee	
		interpersonal conflict and lack of confidence.			Safety Act (Ministry of Labour)		
		Burn-out, acute stress can result in absenteeism, staff turn-over,					
Psychological Injuries		damaged reputation			Occupational Health and Safety policies and		ED
					functioning committee	OA	
					Regular opportunities for staff to express voice	ED	Board
			3 1	3	concerns		
	Compromised staff commitment to organization's mission, vision	Employee burnout and lack of resilience, higher absenteeism and			Regular staff meetings	OA/ED	ED
	and values.	turnover, lower job satisfaction, lack of commitment and employee					
Staff Engagement		conflict.					
Starr Engagement					Regular staff engagement survery	OA/ED	ED
					Regular performance appraisals	ED	Board
			3 1	3	Quarterly team building activities	OA/ED	ED
	Inadequate short-term staffing	Staff burnout, decreased staff morale, increased workplace injuries,				ED	Board
	Suboptimal HR capacity to meet organizational duties	inadequate quality of service, reputation loss, financial loss due to			Monitor ability to maintain patient roster		
		increased overtime/utilization of consultants, longer patient/client					
Staff Shortage		wait time and potential patient/client harm.					
				_			
			3 3	9			

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		violent events involving colleages and/or clients	can result in significant physical and/or psychological harm				Workplace Violence and harassment policy	ED	Board	
			D. C.							
	V. 1 / B		Potential litigation against the organization							
	Violence / Disruptive Behaviour									
				3		3				
		Inability to provide continuity of care and or timely care	May result in wait times (assessment, treatment), waitlists, and can	-		_	Regularly monitoring internal scheduling processes	ED	Board	
		material to provide continuity of care and or unitry care	lead to patient safety issues and dissatisfaction by patients and staff.				regularly monitoring mental concealing processes		Doub	
			Not having the right care at the right time can also impact the need				Regular monitoring of patient survey results			
			for reassessment and system issues for health partners in the				* ' '			
			patients care continuum							
	Access									
				3	3	9				
		Unintended harm to patient	patient may receive improper treatment for a				Conduct Failure Mode Analysis with clinicians to	ED	Board	
		Omnorada nami o pason	present condition, or treatment for a condition not				avoid the occurrence in the first place (e.g.		Doub	
			actually present.				Prospective Post-Mortem)			
			, p				Patient Safety Program (incl. Adverse Event			
			may result in significant harm to patients.				Reporting Tool and its analysis)			
			.,				Follow best practice guidelines - encourage			
	Adverse events/ Medaication						continuous education			
							0.6			
							Safe prescribing tool embedded in EMR			
						^				
				3	2	6				
		Ineffective consults, hand-offs, case management, charting	can lead to dissatisfied patients and families and patient safety				Compliance to best practice guidelines	ED	Board	
Care			issues.				Random chart audits			
Care	Communication Coordination						ranuum chaft audits			
				3	2	6				
		Infection from staff	Service interuption					OA/ED	ED	
		Infection from patients					Infection Prevention and control policy and procedure			
	Infection Prevention and Control		Patient and or staff unexpected exposure to pathogen				* If appropriate follow Ministry of Health Guidelines	OA/ED	ED	
	intection Prevention and Control									
				3	1	3				
		Security of the premises: day/night	Theft or damage to property or equipment				Numerous scenarios possible. Conduct Failure	OA/ED	ED	
		Safety while on premises: day/night					Mode Analysis to identify highest risk scenarios.			
		, , , , , ,	Access to confidential information				, , ,			
							Alarm system in place			
			can result in significant physical and/or psychological harm							
							Workplace Violence and harassment policy			
			Potential litigation against the organization				B. C. J. C. J. C. J. C. J. C. J. C. D. D.			
	0						Patient confidential information stored on EMR. Access to EMR is protected			
	Security and Assault						Access to Emit is protected			
							Sault College security department contacted as			
							needed			
				3	1	3				
		Insuffiecient community engagement	Can result in an impact to the				Guard against threats to reputation by ensuring	ED	Board	
		Land Street Land Control Contr	patient care experience, reputational loss, resources and/or financial				website, public reporting, outreach, required or			
		Inability to maintain healthy community relationships	loss. This risk can be associated with deterioration in the therapeutic				expected public reporting (e.g. Strategic Plan, QIP,			
			relationship, perceived lack of public confidence, lack of community engagement and/or alignment, volunteer and/or staff recruitment.				targets/metrics from plans such as patients treated, wait time) are optimized.			
			ongagornom anator angriment, volunteer anuror Stan (etfultifient.				Strong community support quards against funding			
							Strong community support guards against funding reductions from MOHLTC			
							 Strong reputation within community aids recruitment 			
	Community Relations						of skilled staff and Board (community) members.			
							E.g. Algoma OHT planning table			
External Relations										
				3	1	3				
		Suboptimal relationship with Ministry representative	Possibility of funding cut					ED	Board	
							representative			
	MOHLTC Relations	Inability to understand local context								
				3	1	3				
		Aging infrastructure and ineffective maintenance	Risk of non-compliance with regulations, codes and standards				Accountability of Landlord	ED	Board	
							1			
	Aging Maintenance									
	• • • • • •									
				3	2	6				
Facilities		1	1				•	1	l .	

1 dominos		Failure of vaccine fridge	Waste of vaccines				Temperature alarm	RPN	ED	
							Mandated reporting to Algoma Public Health	RPN	ED	
	Failure	Failure of AED	Potential loss of lives				Annual external audit		l l	
	rallure							APH	ED	
				3	3	9			l l	
		System breach	can result in significant harm to patients and healthcare				Mechanism in place for computer "locking"	Third party IT consultant/ OA/ ED	ED	
		- System breach					Encryption	Third party TT consultanti OA/ ED	ED I	
			organizations.							
							 Computer/Network security (incl. password policy, 		l l	
							timely removal of access upon staff termination,		l l	
							physical access to servers is secured)		l l	
							· Compliance with IT security best practices (prepared		l l	
		Loss of information					externally) (incl. security awareness training, spam		l l	
		System/data held ransom					filters, virus protection)		l l	
	Breach/ Loss of Information	- Systemidata neto ransom					IT vulnerability scan			
	Dicaciii Ecoc oi illioilliation									
							Data back-up		l l	
							Cyber insurance			
									l l	
									l l	
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									l l	
IT				4	2	8				
		Networked systems	unscheduled downtime, service interruptions, communication				Incl. telephone, Internet of things (IOT)	Third party IT consultant/ OA/ ED/	ED	
		• EMR					Continues alonging	EMR Vendor	LD	
		• EMR	breakdown, missing important clinical information, productivity loss,				Contingency planning	EMR Vendor	l l	
			excessive workloads, etc				Uninteruptable Power Supply, surge protectors		l l	
									l l	
	Failure		can significantly compromise patient care and lead to patient safety						l l	
	i unui o		issues.						l l	
									l l	
				l				1	1	
				l				1	1	
				3	2	6		1	1	
		Inability to expand or upgrade to new systems/technology	technology infrastructure obsolescence				Third party IT consultant provide recommendations for	Third Party IT Conultant/ OA/ FD	FD	
		macinty to expand or apgreed to now operante technicogy	loomology imade dotal o obsolution loo				system needs	Time tary it contains or LD		
							system needs		l l	
	System Needs		system/technology failures and downtimes						l l	
	-								l l	
			can lead to discrepancies and errors in outputs			9			l l	
				,	, ,	J				
		Resistance to change	Missed opportunities (funding, partnerships, It enhancements,				Open communication and team building activities	ED	Board	
		Change fatigue	increased efficiencies)				Open communication between executive and board		l l	
			·				Clear vision and mission			
	Change Management						Education/ training		l l	
							Laddaton tuning		l l	
				3	2	6			l l	
		Outdated/ineffective emergency plans	Potential physical or phsychological harm				Regular review of emergency plans	ED	Board	
							A accord at aff to a large recording plants	LD	Board	
		Inadequate staff knowledge and training	Potential damage to equipment or facility				Annual staff training		l l	
	Emergency Response	Inadequate supplies	Interruption in patient services				Regular monitoring of emergency supplies		l l	
	• • •	Insufficient planning oversight							l l	
				,					l l	
				,	'	4				
		Inability to recruit board members with the right skillset	negative impact on risk oversight and strategy, with potential for				Board Governance Manual	Governance Committee	Board Chair	
		Inability to retain board members	impact on patient care and reputational loss						l l	
		Inability to have a proper succession plan for board members							l l	
		Ineffective accountability processes								
		Insufficient reporting for board oversight and decision-making								
		Inability to align strategy							l l	
	Governance	I liability to align strategy							l l	
		Inability to have regular review of strategic plan							l l	
		Inability to manage stakeholder relationship							l l	
									l l	
									l l	
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	<u> </u>	track the state of	Detected because of a consequence of the first f	· '		0	. C. a language and a second of the second	FD	David	
		Inability identify customer disastisfaction	Potential breach of evergreen agreement resulting in financial	l			E.g. Insurance policy renewal, holding Annual	ED	Board	
			penalties	l			General Meeting	1	1	
		Inability to detect non compliance to business best practice		l			Patient outcomes, satisfaction	1	1	
			Non compliance with required legislation	I			Balanced Scorecard & metrics	I	1	
		Non compliance to health and safety best practice		I			· Occupational Health and Safety Committee monthly	I	1	
		, , , , , , , , , , , , , , , , , , , ,		l			rounds	1	1	
				l			Effective and up-to-date pandemic plan and supplies	1	1	
				1			Effective Business Continuity Plan in place (incl.)	I	1	
				I			control structure, contingency planning, payroll and	I	1	
				I			control structure, contingency pianning, payroll and	I	1	
	Operational Monitoring			I			accounts payable, communication with staff and	I	1	
		II.		1			patients)	I	1	
l .	operational monitoring			I			Effective assignment of responsibilities and	1	1	
	operational monitoring				1		accountabilities	I	1	
	operational monitoring									
	Operational monitoring								I	
	Operational monitoring						All the mitigation strategies listed in the risk		İ	
	- Control of the Cont									
	- Constituting						All the mitigation strategies listed in the risk			
	- Contains in the contains						All the mitigation strategies listed in the risk			
	Specialism and the special spe						All the mitigation strategies listed in the risk			
Leadership	Special and any						All the mitigation strategies listed in the risk			
Leadership	Specialism and the special spe			3	3 2	6	 All the mitigation strategies listed in the risk management plan 			Working on enhancing pandemic plan
Leadership	Special and the second	Inability to reach primary care clients	reprimand by ministry	3	3 2	6	 All the mitigation strategies listed in the risk management plan 	ED	Board	Working on enhancing pandemic plan
Leadership	Grand and the	Inability to reach primary care clients Interruption shifts focus from achieving all 18 Strategic Goals by	reprimand by ministry	3	3 2	6	All the mitigation strategies listed in the risk management plan Regular monitoring of rostering capacity	ED		Working on enhancing pandemic plan
Leadership		 Interruption shifts focus from achieving all 18 Strategic Goals by 		3	3 2	6	 All the mitigation strategies listed in the risk management plan 		Board	Working on enhancing pandemic plan
Leadership	Strategic Priorities	Inability to reach primary care clients Interruption shifts focus from achieving all 18 Strategic Goals by 2021	reprimand by ministry Confusion regarding mission and vision	3	3 2	6	All the mitigation strategies listed in the risk management plan Regular monitoring of rostering capacity	ED ED		Working on enhancing pandemic plan
Leadership		 Interruption shifts focus from achieving all 18 Strategic Goals by 		5	2	6	All the mitigation strategies listed in the risk management plan Regular monitoring of rostering capacity		Board	Working on enhancing pandemic plan
Leadership		 Interruption shifts focus from achieving all 18 Strategic Goals by 		3	3 2	6	All the mitigation strategies listed in the risk management plan Regular monitoring of rostering capacity		Board	Working on enhancing pandemic plan

	excessive number of organizational priorities/projects which may fail	cost overruns, schedule delays, failure to meet key milestones/deliverables, scope creep, cancellation, personnel changes, and skatholder dissalisation can negatively impact a healthcare organization's operations, finances and reputation.	3	2		Reconcile workplan against possible failure modes to identify risks and mitigation strategies.			
Strategic Alignment		impact operations and potentially affect the ability to meet the needs of patient populations.	3	2	6	Monitoring of organizational capacity to meet strategic goals		Board	
Regulatory: Regulation/Legislation		Reputational loss, significant use of resources, financial implications, or illigation.	3	3		 Routine MOHLTC Reporting (quarterly financial reports, annual operating plan) Development and submission of QIP to HQO (now Ontario Health) Annual General Meeting Annual legislative review (toolkit prepared externally) 	EDIOA Board EDIOA	Board Board Chair Board	
Regulatory: Privacy		Reputational loss, significant use of resources, financial implications, or litigation.	3	2		Training for privacy officer Training for staff (annual attestation) Secure process for document destruction Regular audit of staff communication / workplace / EMR use Mandatory reporting (incident and annual)	ED Privacy Officer	ED	