









BioRisk Assessment for COVID-19 STEP-BY-STEP APPROACH



Dikeledi Onnicah Matuka

National Health Laboratory Services National Institute for Occupational Health PO Box 4788, Johannesburg, 2000, RSA

Practice No.: 5200296

Switchboard: + 27 (0) 11 712 6400

Website: http://www.nhls.ac.za

http://www.nioh.ac.za

Online Training Session: 04 May 2020

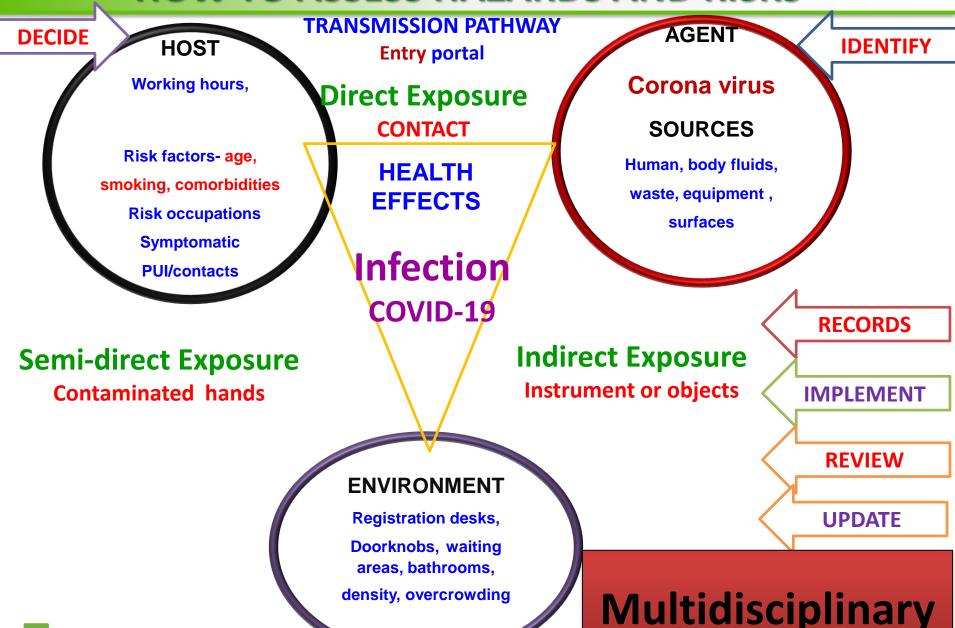
INTRODUCTION

WORKPLACE BIORISK ASSESSMENT

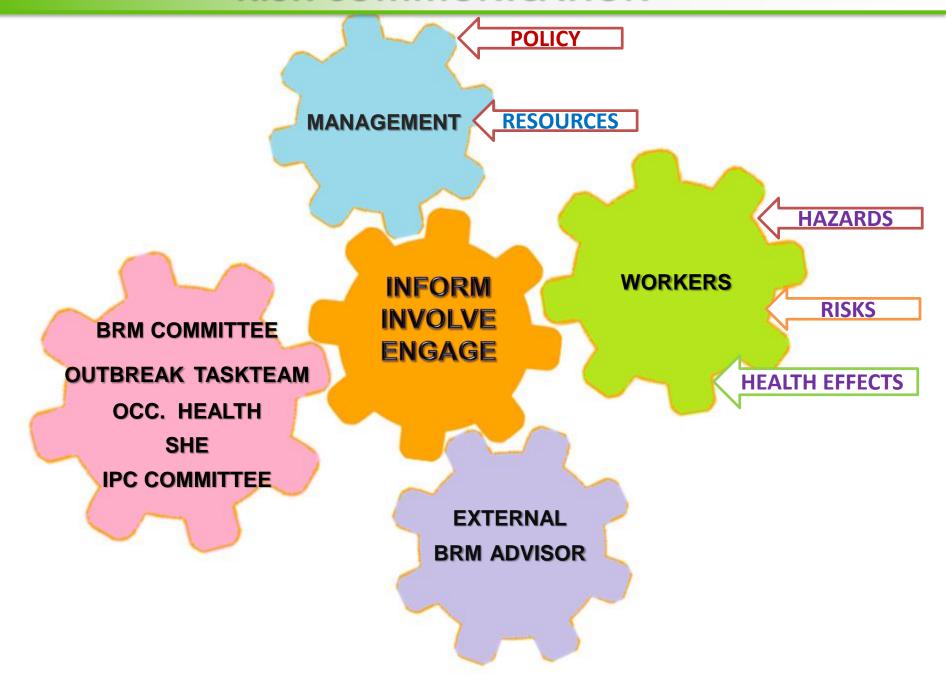
A process of determining the risk associated with exposure to a particular biological hazard, evaluating the existing controls and deciding if risk is acceptable

- Protect the health (workers & public) and prevent or reduce exposure in any workplace
- Informs mitigation strategies

HOW TO ASSESS HAZARDS AND RISKS



RISK COMMUNICATION



DOES THE CONTROL MEASURES PROTECT?



HIERACHY OF CONTROLS: EXAMPLES

Elimination/ Substitution Impractical to eliminate Exposure unknown& unavoidable Work home Job rotation of skilled workers Limit numbers of workers and passengers Drive through Cashless shop • E-shopping Deliveries Reduce hours Automated robots Paper-free admin

Admin. Risk Assessment F Policies (business risk Screening tool Triage Early case ID Isolation 1.5-2m distance Staff training • Sanitizers for VH, H,M groups Contact tracing Minimize visitors or passengers Sick workers or passengers must stay home Masks compulsory Support care Posters /notices Inform/briefings

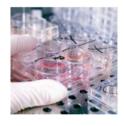
Webinars

_	D
	R &
	fo
	ri
	G
,	V
	g
•	Α
•	G
•	Η
- 1	S
•	L
-	S
	g

PPE	В
Respirator	-
&face shield	
for V/High	
risk	-
Gloves for	
V/H risk	
groups	-
Aprons	
Goggles	
Hair covers	-
Shoe covers	
Lab coats	
Surgical	-
gowns	
	-

BEHAVIOUR No touching of nose, mouth, eyes Good respiratory hygiene Good hand hygiene practices Proper donning and doffing of PPE **Compliance** with self isolation and quarantine **Prompt** reporting of travelling and symptoms













BioRisk Assessment Tool



Online Training Session: 02 April 2020