



## Levels of Care - Impact Assessment

# Investigation Phase of Care

District Health Authority: \_\_\_\_\_

Hospital: \_\_\_\_\_

## Assessed Level for Investigation Phase of Care

\_\_\_\_\_

Completed by: \_\_\_\_\_

DHA designate: \_\_\_\_\_

Date: \_\_\_\_\_

Contact Information: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

	Level Of Care	Required			Recommended			Action / Comments
		Full	Partial	No congruence	Full	Partial	No congruence	
		F	P	N	F	P	N	
<b>Description/Physical Facilities</b>								
Safe, child friendly area to isolate child from nosocomial infections. [ED/ambulatory care]	<b>Basic to Advanced</b>							
Intensive Care Unit capable of stabilizing a critically ill child/adolescent for transportation to a sub-specialty centre.	<b>Advanced</b>							
Availability or access to full spectrum of investigations required for an accurate and timely diagnosis.	<b>Sub-specialty</b>							
Sub-Specialty care pediatric Emergency Department services with advanced pediatric appropriate resuscitation equipment available on- site 24 hours/day, 7 days per week								
<b>Personnel</b>								
Physician or nurse with 24/7 coverage in emergency department to initiate treatment or stabilize patient and arrange for transfer as necessary.	<b>Basic</b>							
Health and/or psychosocial professionals able to provide family support and assist with arrangements for transfer.								

	Level Of Care	Required			Recommended			Action / Comments
		Full	Partial	No congruence	Full	Partial	No congruence	
		F	P	N	F	P	N	
<b>Personnel cont'd</b>								
A pediatrician (or GP in certain circumstances) able to manage the care of a child/adolescent with cancer or a serious haematological disorder in collaboration with a pediatric hematologist/oncologist	<b>Intermediate</b>							
Health and/or psychosocial professionals recommended in Basic								
Pharmacist on site								
Pediatrician on call 24/7	<b>Advanced</b>							
Social worker and/or psychologist available to provide applicable psychosocial support.								
Child life specialist available.								
Pediatric specialists: hematologist/ oncologists (available 24/7); anaesthetists; general and tertiary surgeons; pathologists/ hematopathologists and neuropathologists; diagnostic imaging specialists;	<b>Sub-specialty</b>							
Pediatric nurses with additional education and expertise in the management of children/adolescents with cancer or serious hematologic disorder [e.g. CNS and /or NPs]								
Pediatric psychologists								

	Level Of Care	Required			Recommended			Action / Comments
		Full	Partial	No congruence	Full	Partial	No congruence	
		F	P	N	F	P	N	
<b>Personnel cont'd</b>								
Social workers who have membership in the Association of Pediatric Oncology Social Workers (APOSW)	<b>Sub-specialty continued</b>							
Child life specialist								<b>Required for Holistic Care</b>
<b>Pharmacy</b>								
Basic antibiotics, resuscitation, pain medications.	<b>Basic</b>							
Hospital pharmacy available on site with access to pediatric specific resuscitation drugs	<b>Intermediate &amp; Advanced</b>							
Medications for deep sedation.	<b>Sub-specialty</b>							
<b>Equipment/Resources</b>								
24/7 Emergency Department services with basic resuscitation equipment. Basic investigations to ensure child can be transferred safely.	<b>Basic to Advanced</b>							
Able to obtain appropriate blood samples, including micro-samples and peripheral venous blood from children and transport blood samples to lab for testing if not available on site. ----- and to perform urine dipstick								

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		F	P	N	F	P	N	
<b>Lab/Diagnostic Imaging</b>								
Not Applicable [N/A]	<b>Basic</b>							
Guidelines for 'Processing initial malignant specimens found unexpectedly' readily available	<b>Intermediate and Advanced</b>							
Lab: CBC/diff, BUN, Na, K, creatinine, gluc stat [within 1 hour] if needed; PT PTT, access to fg test results within two days if needed; uric acid, Ca, Phos Mg, AST, ALT, bili T/D, amylase within 24 hours; creatinine clearance.								
Blood bank: Access to CMV negative, irradiated platelets and PRBC within 24 hours	<b>Intermediate</b>							
DI: equipment and personnel able to obtain and interpret ECGs, chest x-rays, abdominal films and Ultra-sounds - able to adjust to deliver lower doses of radiation for diagnostic imaging tests to pediatric patients.								
Access to CMV negative, irradiated platelets, PRBC within 12 hours.	<b>Advanced</b>							
DI as recommended in Intermediated plus Nuclear medicine facilities for glomerular filtration rate (GFR) (preferred) or creatinine clearance.								
Wall motion ejection fraction (WMEF) or echocardiogram to determine left ventricular function								

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		F	P	N	F	P	N	
<b>Lab/ DI continued</b>								
Experience in pediatric CT scanning, able to adjust to deliver lower doses of radiation for pediatric patients	<b>Advanced continued</b>							
Access to bacterial culture on site and fungal culture results in a timely manner								
Diagnostic Imaging with pediatric expertise for US**, CT scanning**, nuclear medicine*, MRI*, angiography* and interventional radiology*	<b>Sub-specialty</b>							
Clinical laboratories with expertise in the assessment and diagnosis of pediatric hematology/oncology disorders including cell flow cytometry*, bone marrow aspirate and biopsy histological analysis**, immunohistochemistry*, cytogenetic analysis*, hemoglobinopathy diagnosis by protein and molecular methods*, specialized coagulation testing*, specialized analysis of immune function*, microbiology**/virology* services and clinical chemistry expertise in monitoring antibiotic, antineoplastic and immunosuppressant drug levels*, blood gas, routine chemistry,								

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<b>Lab/ DI continued</b>								
hematology and coagulation assays on small samples**, immediate interpretation of infectious organisms stains**, histopathology*	<b>Sub-Specialty continued</b>							
Anatomic pathology services** with ability to perform and interpret rapid frozen sections, ability to appropriately prepare tissue for complex investigations								
Pediatric expertise in audiology, EEG, and EKG testing and interpretation								
<b>Education/Certification</b>								
Tertiary education qualifications and maintenance of ongoing education; support of educational endeavors for other health professionals as needed.	<b>Sub-specialty</b>							
<b>Communication links</b>								
Ready access to pediatrician referral and access to contact numbers at Sub Specialty centre for; ED, Clinic, Inpatient unit and Pediatric hematologist/oncologist.	<b>Basic to Advanced</b>							
Established community links: designated contact persons for all involved disciplines, able to forward necessary communication to appropriate health professional in the community in a timely manner.	<b>Sub-specialty</b>							