The authors and reviewers have made every attempt to ensure the information in this Family Medicine Clinical Card is correct - it is possible that errors may exist. Accordingly, the source references or other authorities should be consulted to aid in determining the assessment and management plan of patients. The Card is not meant to replace customized patient assessment nor clinical judgment. The Card is meant to highlight key considerations in particular clinical scenarios, largely informed by relevant guidelines in effect at the time of publication. The authors cannot assume any liability for patient outcomes when this card is used.

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Chung AB Bannister SL Keegan DA

Normal Vital Signs

Normal			15				Age		Lower limit	
Age	RR	HR		Age	RR	HR	-		Syst. BP (mmHg)	
Newborn	30-60	100-160		5 yrs	20-24	70-115	0 - 2	8 days	60	
6 mos		110-160		10 yrs	16-22	60-100	1 - 12	2 months	70	
1 yr	22-30	90-1	50	14 yrs	14-20	60-100	1 -10) years	70 + (2 x age)	
3 yrs	22-30	80-1	25	Adult	12-18	60-90	10 y	rs - Adult	90	
Red Flags and Special Circumstances in Patients with Fever										
Fever = 1	Investigations				Managen	Management				
↑HR, ↓BP (as per			Look for source: blood culture,					ABC's, IV	ABC's, IV fluids,	
vitals tables above):			UA/UC*, sputum culture, CSF					supplemental O2, activate		
risk of sepsis			culture, wound, catheter, line						EMS, empiric antibx	
Newborn	CBC/diff, blood culture, UA/UC*,						Admission to hospital,			
	CSF cultures & gram stain, CXR if						Empiric parenteral antibx			
			resp. symptoms/tachypnea, stool					to cover meningitis		
	culture if diarrhea									
Neutrope	Confirm neutropenia, look for					Admission to hospital,				
(Chemotx	source of infection (culture what					Empiric parenteral antibx,				
or hemate	you can, CXR)					Treat underlying cause				
Diarrhea			Stool culture, consider UA/UC*					Based on results		
Dysuria			UA/UC*					Based on results		
Under-im	Be vigilant for dz's based on missing									
	CXR (to R/O pneumonia)					Antibx if CXR +				
Returning Traveler			Thick/thin blood film for malaria					If any films +ve for		
(R/O Malaria)			Q12h x 3, CBC, diff, LFTs, UA/UC*, blood culture x 2-3, CXR					malaria; consult ID		
Mental status			CBC diff, blood cultures x 2-3, CSF					Empiric parenteral antibx		
change, headache,			culture, gram stain, opening					based on likely organism		
nuchal rigidity			pressure, cell count					for age group and situation		
Fever ≥ 3 days			Reassessment to R/O bacterial					Based on results; reassess in 2 days if fever persists		
Canaidan Kawaaalii?a l			cause, including UA/UC*							
Consider Kawasaki's Disease in a child with fever ≥5 days and 4 or more of clinical										
criteria below (emergent paeds. referral if so); may be "incomplete Kawasaki's" if <6 months old and/or only 3 criteria \rightarrow will require bloodwork +/- paeds. referral)										
(1) Conjunctivitis (2) Truncal rash (3) Cervical lymphadenopathy >1.5cm										
(4) Mucosal Δ 's (strawberry tongue, diffuse erythema, swelling/fissuring of lips)										
(5) Extremity Δ 's (edema, erythema, desquamation, induration of hands/feet)										
				Expand investigations to include					+ findings, refer	
weeks = FUO (Fever			TB, HIV & immune dz, osteomye-				as required, if no etiology			
of Unknown Origin)			litis, abscesses, inflamm. dz., etc				found consider ID consult			
	~		,	Wanagement				*UA/UC = urinalysis & culture		
Antipyr	Pediatric				Adult					
		ng/kg/dose PO/PR Q4-6h PRN				1	325-650mg PO/PR Q4-6h PRN			
			D NOT EXCEED 2.6g/24hrs**					**DO NOT EXCEED 3g/24hrs**		
Ibuprofen 10n			ng/kg/dose PO Q6-8h PRN					200-400mg PO Q4-6h PRN		
	D NOT EXCEED 40mg/kg/24hrs**									
ASA							325-650mg PO Q4-6h PRN			
	epid sr									
Tepid sponging with water (not alcohol) at 30°C is a useful adjunct.										

Key Ketereñces: Pediatric advanced life support: 2010 American heart Association Guidelines for Cardiopulnonary Resuscitation and Emergency Cardiovascular Care. Pediatrics 2010; 12(56):e1361-99. Clinical policy for children yourger than three years presenting to the emergency department with fever. Ann Emerg Med 2003; 42:530. Canadan Recommendations for the Prevention and Treatment of Malana Among International Trevellers. Canada Communicable Disease Report July 2009. Age Appropriate Vital Signs - https://www.cc.nih.gov/ccc/pedweb/pedstaff/age.html