



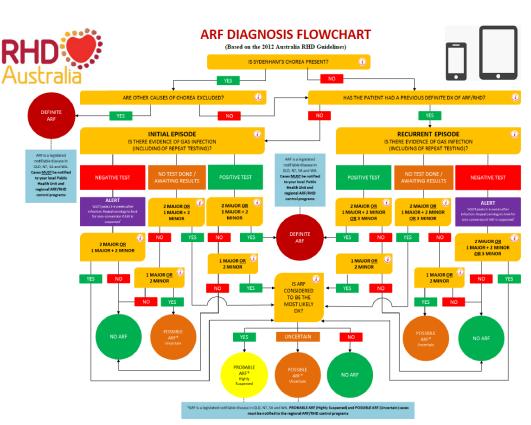
Diagnosis Criteria

Table 3.2 2012 Updated Australian guidelines for the diagnosis of ARF

	High-risk groups [†]	All other groups
Definite initial episode of ARF	2 major or 1 major and 2 minor manifestation infection [‡]	s plus evidence of a preceding GAS
Definite recurrent episode of ARF in a patient with known past ARF or RHD	2 major or 1 major and 1 minor or 3 minor m preceding GAS infection ⁴	anifestations plus evidence of a
Probable ARF (first episode or recurrence)	A clinical presentation that falls short by either manifestation, or the absence of streptococcal which ARF is considered the most likely diagn categorised according to the level of confiden • highly-suspected ARF	serology results, but one in osis. Such cases should be further
	uncertain ARF	
Major manifestations	Carditis (including subclinical evidence of rheumatic valvulitis on echocardiogram)	Carditis (excluding subclinical evidence of rheumatic valvulitis on echocardiogram)
	Polyarthritis ⁺⁺ or aseptic mono-arthritis or polyarthralgia	Polyarthritis ^{††}
	Chorea⁵	Chorea⁵
	Erythema marginatum¶	Erythema marginatum¶
	Subcutaneous nodules	Subcutaneous nodules
Minor manifestations	Monoarthralgia	Fever**
	Fever#	Polyarthralgia or aseptic mono- arthritis
	ESR ≥30 mm/h or CRP ≥30 mg/L	ESR ≥30 mm/h or CRP ≥30 mg/L
	Prolonged P-R interval on ECG ⁵⁵	Prolonged P-R interval on ECG55

I+tigh-risk groups are those living in communities with high rates of ARF (incidence >30/100,000 per year in 5-14 year olds) or RHD (all-age prevalence >2/1000). Aboriginal people and Torres Strait Islanders living in rural or remote settings are known to be at high risk. Data are not available for other populations, but Aboriginal people and Torres Strait Islanders living in urban settings, Maoris and Pacific Islanders, and potentially immigrants from developing countries, may also be at high risk. Elevated or rising antistreptolysin O or other streptococcal antibody, or a positive throat culture or rapid artigen test for GAS. ¹M definite history of arthritis is sufficient to satisfy this manifestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or aseptic mono-arthritis cannot be considered an additional minor manifestation in the same person. ¹Chorea does not require other manifestations or evidence of preceding GAS infection, provided other causes of chorea are excluded. ¹Care should be taken not to label other rashes, particularly non-specific viral exanthemas, as erythema marginatum. ¹⁰Cral, tympanic or rectal temperature >38°C on admission, or a reliably reported fever documented during the current illness. ⁸Mif carditis is present as a major manifestation, a prolonged P-R interval cannot be considered an additional minor manifestation.

CRP, C-reactive protein; ECG, electrocardiogram; ESR, erythrocyte sedimentation rate.



12 year old female Pacific Islander, lives in a large country town:

- No previous known ARF
- No memory of recent sore throat
- Arthritis L knee
- Sydenham's chorea
- ESR 990

Risk group	
Diagnosis	



14 year old aboriginal male, lives in a remote community:

ARF when 11 years old, on penicillin tabs, stopped taking a year ago:

- Erythema Marginatum
- Echo shows mild MR
- Fever 39.1*
- ESR 32
- ASOT 682

Risk group

Diagnosis



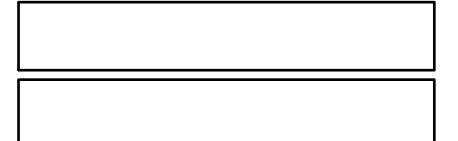
22 year old Caucasian male, lives in an inner city suburb:

No history of ARF

- Erythema Marginatum
- Fever 38.2*
- ASOT 800

Risk group

Diagnosis





Diagnosis Calculator -

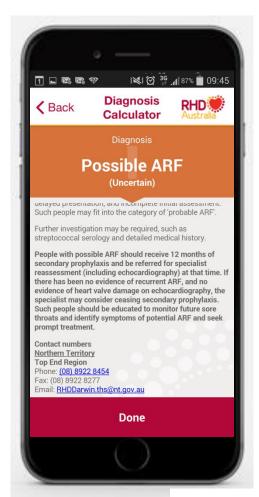


8 year old Torres Strait male, lives in a small community:

No history of ARF:

- Recent sore throat (no swab)
- Carditis
- Polyarthralgia
- Aseptic monoarthritis (R ankle)
- ASOT 100, ADNB 300

Risk group	
Diagnosis	





6 year old aboriginal female, lives in a large community:

History of ARF:

- Fever 38.9*
- P-R interval on ECG 0.19 seconds
- Polyarthritis
- ASOT 120, ADNB 345

Risk group	
Diagnosis	





14 year old aboriginal male, lives in Cherbourg:

No history of ARF:

- Recent sore throat (Swab taken, negative result)
- ASOT 133, ADNB 294

Risk group

Diagnosis



