ACUTE RHEUMATIC FEVER & RHEUMATIC HEART DISEASE

are **PREVENTABLE**

STREPTOCOCCAL INFECTIONS

Young people at high risk must be treated with penicillin.

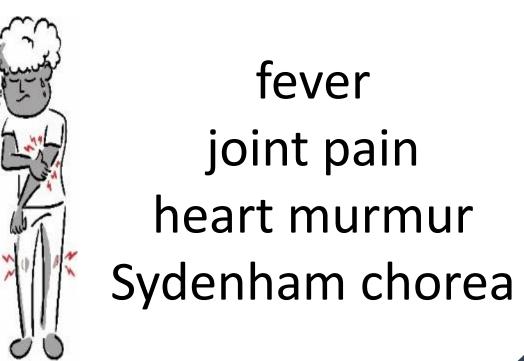


Sore throat (pharyngitis)



Skin sores (pyoderma) ACUTE RHEUMATIC FEVER

Presentation can be subtle. Must be treated with penicillin.



RHEUMATIC HEART DISEASE

Damage to heart valves following ARF.

Often without symptoms until severe.

Requires life-long and complex care.

INVESTIGATIONS FOR ARF

Admit to hospital

BLOODS – WCC / ESR / CRP (blood cultures if febrile) BLOODS – ASO and anti-DNase B titres ECG / CXR / Echocardiogram Throat/skin swab - culture for *group A streptococcus*

PENICILLIN INJECTIONS EVERY 21-28 DAYS

AFTER ARF DIAGNOSIS

PRIORITY 1

PRIORITY 2

- Severe RHD
- High risk post-valve surgical patients
- ≥ 3 episodes of ARF within the last 5 years
- Moderate RHD
- Moderate risk post-valve surgical patients

• Mild RHD

 ARF without RHD, currently prescribed secondary prophylaxis

PRIORITY 3

• Low risk post-valve surgical

PRIORITY 4

- History of ARF and completed secondary prophylaxis
- Borderline RHD not on secondary prophylaxis

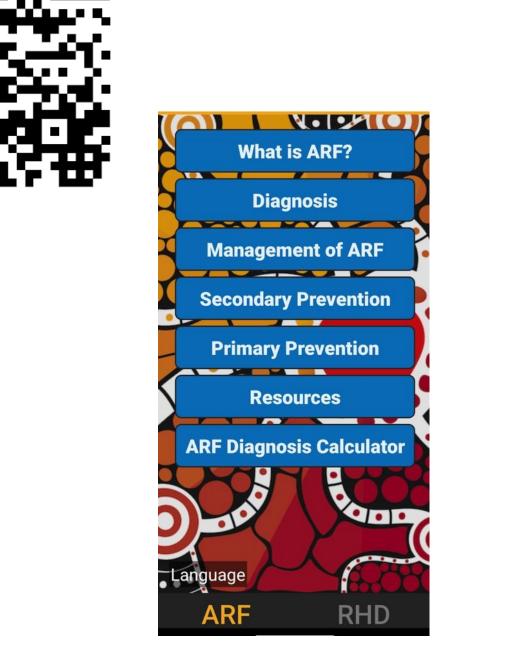
 Pregnant women with RHD (of any severity) Children aged ≤ 5 years with ARF or RHD 		 Low fisk post-valve surgical patients Borderline RHD receiving secondary prophylaxis* 	 Resolved RHD and completed secondary prophylaxis
Every 6 months	Every 6 months	Every 12 months	Every 12 months
RHD Specialist review	Medical review	 Medical review 	 Medical review
 Echocardiogram Medical review Dental review (within 3 months of diagnosis, then 6 monthly) Pregnant: see care pathway 	 Dental review (within 3 months of diagnosis, then 6 monthly) Every 12 months RHD Specialist review Echocardiogram 	 Dental review (within 3 months of diagnosis, then 6 monthly) Every 1-3 years RHD Specialist review Echocardiogram 	 Dental review At 1, 3 & 5 years post secondary prophylaxis RHD Specialist review Echocardiogram
* Medical review and echocardiogram 1-2 years after diagnosis and 1-2 years after ceasing secondary prophylaxis			

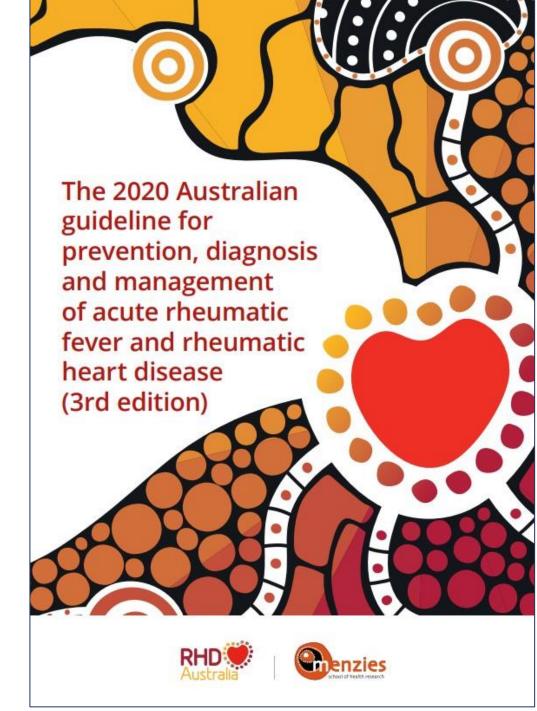
RHD CONTROL PROGRAMS

CLINICAL RESOURCES

08 8922 8454 NT Darwin Alice Springs 08 8951 6909 Cairns 1300 135 854 QLD 1300 622 745 WA Perth Adelaide 08 7425 7146 SA 1300 066 055 (within NSW) **NSW Sydney** 02 9391 9195 (outside NSW)

ARF & RHD are **notifiable** in these jurisdictions





Reference: RHDAustralia (ARF/RHD writing group). The 2020 Australian guideline for prevention, diagnosis and management of acute rheumatic fever and rheumatic heart disease (3.2 edition, March 2022); 2020

© Menzies School of Health Research Sept 2022