

## Acute rheumatic fever (ARF) notification form for clinicians

## ARF is a notifiable condition. Report all suspected cases by submitting this form to the Notifiable Conditions System team via email: <u>CDIS-NOCS-Support@health.qld.gov.au</u> or fax: 3328 9434

**This is an approved form for the use and purpose of the** *Queensland Public Health Act 2005* (Chapter 3 Part 2, Division 2 - Notices about notifiable conditions) **and the** *Public Health Regulation 2018* (Schedules 1 and 2)

| Patient details (Affix patient identification label here)                                                                                            | Notifying clinician                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| URN:                                                                                                                                                 | Name:                                                                                                       |
| Last name: First name:                                                                                                                               |                                                                                                             |
| Address:                                                                                                                                             | Telephone:                                                                                                  |
| Date of birth: Telephone:                                                                                                                            | Practice/facility:                                                                                          |
| Sex: 🗌 Male 🗌 Female 🗌 Unknown 🗌 Other                                                                                                               |                                                                                                             |
| Name of parent/carer                                                                                                                                 | Notification date:                                                                                          |
|                                                                                                                                                      |                                                                                                             |
| General practitioner/usual healthcare provider                                                                                                       |                                                                                                             |
| Name                                                                                                                                                 |                                                                                                             |
| Telephone                                                                                                                                            |                                                                                                             |
|                                                                                                                                                      |                                                                                                             |
| Practice/facility                                                                                                                                    |                                                                                                             |
|                                                                                                                                                      |                                                                                                             |
| Case details                                                                                                                                         |                                                                                                             |
|                                                                                                                                                      | and Torres Strait Islander<br>Inder but not Aboriginal INot stated/unknown<br>Australian South Sea Islander |
| ARF episode                                                                                                                                          |                                                                                                             |
| <ul> <li>Initial OR Recurrent<sup>1</sup> OR Unknown</li> <li>For this episode:</li> <li>Earliest date patient exhibited symptoms (onset)</li> </ul> |                                                                                                             |
| Date patient diagnosed with ARF                                                                                                                      |                                                                                                             |
| Date bicillin given for current episode                                                                                                              |                                                                                                             |
| Hospital admission                                                                                                                                   |                                                                                                             |
| <ul> <li>☐ Yes</li> <li>Hospital:</li> <li>☐ No</li> <li>☐ Unknown</li> </ul>                                                                        |                                                                                                             |

| Major       Carditis       OR       Subclinical carditis       OR       Subclinical carditis         Polyarthritis       OR       Subclinical carditis       OR       Subclinical carditis       OR       Subclinical carditis         Polyarthritis       OR       Subclinical carditis       OR       Subclinical carditis       OR       Subclinical carditis         Polyarthritis       OR       Subclinical carditis       OR       Subclinical carditis       OR       Subclinical carditis         Immon       Exprementaminginuum?       Subclinical carditis       OR       Subclinical carditis </th <th>Last name</th> <th colspan="3">First name</th> <th colspan="3">DOB</th>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Last name                                                                                                                                                                                                                                                                                                                                                                                       | First name                                                                                 |                                   |           | DOB                                                        |                         |         |  |  |
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| Control of the second sec |                                                                                                                                                                                                                                                                                                                                                                                                 | HIGH-RISK GROUPS <sup>2</sup>                                                              |                                   |           |                                                            |                         |         |  |  |
| Image: Subsection of ARF         Minor         Date         Result         Minor         Minor         Minor         Minor         Minor         Minor         Elevated DR         Group A Strep positive throat swab - date         Elevated Drising ASD thrcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | manifestations                                                                                                                                                                                                                                                                                                                                                                                  | $\square$ Polyarthritis <sup>3</sup> OR $\square$ Aseptic monoarthritis <sup>7</sup><br>OR |                                   |           | □ Polyarthritis³ □ Sydenham chorea4                        |                         |         |  |  |
| manifestations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                 | Erythema mariginatum <sup>5</sup> Subcutaneous nodules                                     |                                   |           |                                                            |                         |         |  |  |
| Elevated CRP (a30 mg/l)     Date Result mg/l     Date Result Result data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                 | □ Monoarthralgia <sup>7</sup>                                                              |                                   |           | 🗌 Polyarthralgia 🛛 OR 👘 Aseptic monoarthritis <sup>7</sup> |                         |         |  |  |
| Date       Result       mg/l         Date       Result       mg/l         Prolonged P-R interval or other AV rhythm<br>abnormalities on ECG <sup>9</sup> Prolonged P-R interval or other AV rhythm<br>abnormalities on ECG <sup>9</sup> Comments: Please provide relevent additional information including initial presentation, differential diagnoses and level of clinical<br>suspicion of ARF         Evidence of preceding Strep A infection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                 | Date                                                                                       | Result                            | mm/h OR   |                                                            |                         | mm/h OR |  |  |
| Prolonged P-R interval or other AV rhythm     abnormalities on ECG*  Comments: Please provide relevent additional information including initial presentation, differential diagnoses and level of clinical suspicion of ARF  Evidence of preceding Strep A infection     History of skin sores     Group A Strep positive throat swab - date     Elevated or rising ASO titre?     Result     UU/ml     *Date     Result     UU/ml     *Date     Result     UU/ml     *Date     Result     UU/ml     *Date     Result     UU/ml     *Linitial specimen below upper limits of normal, repeat testing 7–10 days later     RHD absent     RHD absent     RHD absent     Referred for echo/cardiology review     Referred for echo/c  |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            | -                                 | 11        |                                                            | -                       |         |  |  |
| abnormalities on ECG*       abnormalities on ECG*         Comments: Please provide relevent additional information including initial presentation, differential diagnoses and level of clinical suspicion of ARF         Evidence of preceding Strep A infection         History of pharyngitis       History of skin sores         Group A Strep positive throat swab - date       Group A Strep positive skin swab - date         Elevated or rising ASO titre*       Elevated or rising Anti-DNase B titre*         Date       Result       IU/ml         *Date       Result       Result         @Group A Strep positive skins and probable or possible ARF requiresa time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                 | Date                                                                                       | Result                            | mg/l      | Date                                                       | Result                  | mg/l    |  |  |
| suspicion of ARF         Evidence of preceding Strep A infection         I History of pharyngitis       I History of skin sores         Group A Strep positive throat swab - date       Group A Strep positive skin swab - date         Elevated or rising ASO titre?       Elevated or rising Anti-DNase B titre?         Date       Result       IU/ml         *Date       Result       IU/ml         *Date       Result       IU/ml         ** If initial specimen below upper limits of normal, repeat testing 7–10 days later       RHD status         RHD absent       RHD present (date RHD identified)       Unknown         Echo not performed       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         * Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting: Aborginal and/or Tores Stratis lislander peoples. Jank Maori and/or Pacific Stander peoples living in mural or remote settings: Aborginal and/or Tores Stratis lislander peoples. Jank Maori and/or Pacific Stander peoples living in mural or remote settings: Aborginal and/or Tores Stratis Stander peoples. Jank Maori and/or Pacific Stander peoples living in mural or remote settings: Aborginal and/or Tores Stratis lislander peoples living in mural or remote settings: Aborginal and/or Tores Stratis Stander peoples. Jank Maori and/or Pacific Stander peoples living in mural or remote setintings themose of states States States States States S                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   | thm       |                                                            |                         |         |  |  |
| History of pharyngitis       History of skin sores         Group A Strep positive throat swab - date       Group A Strep positive skin swab - date         Elevated or rising ASO titre?       Elevated or rising Anti-DNase B titre?         Date       Result       IU/ml         *Date       Result       IU/ml         *Date       Result       IU/ml         *Totate       Result       IU/ml         *Totate       Result       IU/ml         * Thial specimen below upper limits of normal, repeat testing 7–10 days later       Result       IU/ml <b>RHD</b> absent       RHD present (date RHD identified)       Unknown       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.       2 Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting: Aboriginal and/or Torres Strait Islander peoples and Maedi and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or nor tower sociacommic status; Stigrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; requent or recent travel to a high ARF risk setting; requent or second bistory of arbitriks is present as a major manifestation, polyarthraigi or a septic monorthritis is cannot be considered an additional minor manifestation, pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| History of pharyngitis       History of skin sores         Group A Strep positive throat swab - date       Group A Strep positive skin swab - date         Elevated or rising ASO titre?       Elevated or rising Anti-DNase B titre?         Date       Result       IU/ml         *Date       Result       IU/ml         *Date       Result       IU/ml         *Totate       Result       IU/ml         *Totate       Result       IU/ml         * Thial specimen below upper limits of normal, repeat testing 7–10 days later       Result       IU/ml <b>RHD</b> absent       RHD present (date RHD identified)       Unknown       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.       2 Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting: Aboriginal and/or Torres Strait Islander peoples and Maedi and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or nor tower sociacommic status; Stigrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; requent or recent travel to a high ARF risk setting; requent or second bistory of arbitriks is present as a major manifestation, polyarthraigi or a septic monorthritis is cannot be considered an additional minor manifestation, pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
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| Elevated or rising ASO titre?       Elevated or rising Anti-DNase B titre?         Date       Result       IU/ml       Date       Result       IU/ml         * Date       Result       IU/ml       Date       Result       IU/ml         * Date       Result       IU/ml       * Date       Result       IU/ml         * The initial specimen below upper limits of normal, repeat testing 7–10 days later       Result       IU/ml       * Iu/ml         * RHD status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |                                   | S         |                                                            |                         |         |  |  |
| Date       Result       IU/ml       Date       Result       IU/ml         *Date       Result       IU/ml       *Date       Result       IU/ml         *I finitial specimen below upper limits of normal, repeat testing 7–10 days later       Result       IU/ml <b>RHD status</b> IU/ml       *Date       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         * Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and / or lower socioeconomic status; Personal history of ARF/RHD; Household overcrowding (\$2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF).         * Dolyarthritis: A definite history of arthritis is sufficient to satisfy this manifestation. Note that if polyarthritis is present as a major manifestation in the same person.         * Chorea does not require able taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.         * Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 🗌 Group A Strep                                                                                                                                                                                                                                                                                                                                                                                 | positive throat swab                                                                       | - date                            |           | 🗌 Group A Strep posi                                       | itive skin swab - da    | te      |  |  |
| *Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Elevated or risin                                                                                                                                                                                                                                                                                                                                                                               | g ASO titre <sup>9</sup>                                                                   |                                   | Eleva     | ited or rising Anti-DNas                                   | se B titre <sup>9</sup> |         |  |  |
| * If initial specimen below upper limits of normal, repeat testing 7–10 days later          RHD absent       RHD present (date RHD identified)       Unknown         Echo not performed       Referred for echo/cardiology review <sup>3</sup> Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode. <sup>2</sup> Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in mural or remote setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/ or lower socioeconomic status; Personal history of ARF/RHD; Household overcrowding (a2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF). <sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manifestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or a septite monoarthritis cannot be considered an additional minor manifestation in the same person. <sup>4</sup> Chorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded. <sup>5</sup> Eythema marginatum: <sup>6</sup> Ever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been admi                                                                                                                                                                                                                        | Date                                                                                                                                                                                                                                                                                                                                                                                            | Result                                                                                     | IU/                               | /ml Date  | F                                                          | Result                  | IU/ml   |  |  |
| RHD status         RHD absent       RHD present (date RHD identified)       Unknown         Echo not performed       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         * Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or lower socioeconomic status; Personal history of ARF/RHD; Household overcrowding (sz people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF).         * Ohlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.         * Ever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered.         * Arthralgia/Monoarthritis is present as a major criterion, a prolonged P-R interval: If carditis is present as a major criterion, a prolonged P-R interval cannot be considered an additional minor manifestation.         * Prolonged P-R interval: If carditis is present as a major criterion, a prolonged P-R interval cannot be considered an additional minor manifestation.         * Prolo                                                                                                                                                                                                                                                                                                                          | *Date                                                                                                                                                                                                                                                                                                                                                                                           | Result                                                                                     | IU/                               | /ml *Date |                                                            | Result                  | IU/ml   |  |  |
| RHD absent       RHD present (date RHD identified)       Unknown         Echo not performed       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         * Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/ or lower socioeconomic status; Personal history of ARF/RHD and aged 440 years.         May be at high risk: Family or household recent history of ARF/RHD; Household overcrowding (s2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF). <sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manifestation. Note that if polyarthritis is present as a major manifestation, polyarthragia or or aseptic monoarthritis can definite on a diditional minor manifestation in the same person. <sup>6</sup> Chorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded. <sup>6</sup> Frythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum. <sup>6</sup> Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of                                                                                                                                                                                                                                                                                             | * If initial specimen below upper limits of normal, repeat testing 7–10 days later                                                                                                                                                                                                                                                                                                              |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| Echo not performed       Referred for echo/cardiology review         * Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         * Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or lower socioeconomic status; Personal history of ARF/RHD; Household overcrowding (=2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF).         * Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.         * Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.         * Prolonged P-R interval: If carditis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation.         * Prolonged P-R interval:       AGE GROUP (YEARS)       SECONDS         3-11       0.16         12-16       0.18         17.4       0.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| 1       Recurrent ARF: Recurrent definite and probable or possible ARF requires a time period of more than 90 days after the onset of symptoms from the previous episode.         2       Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples living in rural or remote settings; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/ or lower socioeconomic status; Personal history of ARF/RHD and aged (40 years.         May be at high risk: Family or household recent history of ARF/RHD; Household overcrowding (≥2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF).         3       Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or or aseptic monaarthritis cannot be considered an additional minor manifestation in the same person.         4       Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.         5       Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.         6       Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| 2 Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples living in rural or remote settings; Aboriginal and/or Torres Strait Islander peoples, and Maori and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or lower socioeconomic status; Personal history of ARF/RHD and aged 440 years.         May be at high risk: Family or household recent history of ARF/RHD; Household overcrowding (≥2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF). <sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or or aseptic monoarthritis cannot be considered an additional minor manifestation in the same person. <sup>6</sup> Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded. <sup>5</sup> Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum. <sup>6</sup> Freee: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered. <sup>7</sup> Arthralgia/Monoarthritis: If polyarthritis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation. <sup>8</sup> Pr                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| May be at high risk: Family or household recent history of ARF/RHD; Household overcrowding (≥2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.         Considerations which increase risk: Prior residence in a high risk ARF risk setting; Frequent or recent travel to a high ARF risk setting; Aged 5–20 years (peak years for ARF). <sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or or aseptic monoarthritis cannot be considered an additional minor manifestation in the same person. <sup>4</sup> Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded. <sup>5</sup> Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum. <sup>6</sup> Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered. <sup>7</sup> Arthralgia/Monoarthritis: If polyarthritis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation. <sup>8</sup> Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation. <sup>9</sup> Upper limits of normal for P-R interval:         (12–16)       0.18         17+       0.20         AV rhythm abnormalities: Normal ECG means no atrioventricu                                                                                                                                                                                                                                                                                                                                    | <sup>2</sup> Definition of High Risk (Table 5.1 of 2020 Guideline): Living in an ARF-endemic setting; Aboriginal and/or Torres Strait Islander peoples living in rural or remote settings: Aboriginal and/or Torres Strait Islander peoples living and/or or endemic setting and/or Pacific Islander peoples living in metropolitan households affected by crowding and/or or endemic settings. |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| <ul> <li><sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or or aseptic monoarthritis cannot be considered an additional minor manifestation in the same person.</li> <li><sup>4</sup> Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.</li> <li><sup>5</sup> Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.</li> <li><sup>6</sup> Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered.</li> <li><sup>7</sup> Arthralgia/Monoarthritis: If polyarthritis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation.</li> <li><sup>8</sup> Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.</li> <li><sup>9</sup> Upper limits of normal for P-R interval:</li> <li>Mormal for P-R interval: (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | May be at high risk: Family or household recent history of ARF/RHD; Household overcrowding (>2 people per bedroom) or low socioeconomic status; Migrant or refugee from low-or middle-income country and their children.                                                                                                                                                                        |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| <ul> <li><sup>4</sup> Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.</li> <li><sup>5</sup> Erythema marginatum: Care should be taken not to label other rashes, particularly non-specific viral exanthems, as erythema marginatum.</li> <li><sup>6</sup> Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered.</li> <li><sup>7</sup> Arthralgia/Monoarthritis: If polyarthritis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation.</li> <li><sup>8</sup> Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.</li> <li><sup>9</sup> Upper limits of normal for P-R interval:</li> <li>AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <sup>3</sup> Polyarthritis: A definite history of arthritis is sufficient to satisfy this manisfestation. Note that if polyarthritis is present as a major manifestation, polyarthralgia or                                                                                                                                                                                                     |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| <sup>6</sup> Fever: In high-risk groups, fever can be considered a minor manifestation based on a reliable history (in the absence of documented temperature) if anti-inflammatory medication has already been administered. <sup>7</sup> Arthralgia/Monoarthritis: If polyarthritis is present as a major criterion, monoarthritis or arthralgia cannot be considered an additional minor manifestation. <sup>8</sup> Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.         Upper limits of normal for P-R interval:         Upper limits of normal for P-R interval:         AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <sup>4</sup> Chlorea does not require other manifestations or evidence of preceding Strep A infection, provided other causes of chlorea are excluded.                                                                                                                                                                                                                                           |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| * Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.         * Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.         Upper limits of normal for P-R interval:         AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| * Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval cannot be considered an additional minor manifestation.       AGE GROUP (YEARS)       SECONDS         Upper limits of normal for P-R interval:       3-11       0.16       12-16       0.18         AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)       ACE GROUP (YEARS)       SECONDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | medication has already been administered.                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| considered an additional minor manifestation.       3-11       0.16         Upper limits of normal for P-R interval:       12-16       0.18         17+       0.20         AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| Upper limits of normal for P-R interval:       12-16       0.18         17+       0.20         AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul> <li>Prolonged P-R interval: If carditis is present as a major manifestion, a prolonged P-R interval can<br/>considered an additional minor manifestation.</li> </ul>                                                                                                                                                                                                                       |                                                                                            | nnot be AG                        |           |                                                            |                         |         |  |  |
| AV rhythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Upper limits of normal for P-R interval:                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                   | -         |                                                            |                         |         |  |  |
| Av rnythm abnormalities: Normal ECG means no atrioventricular (AV) conduction abnormality during the ARF episode, including first, second and third degree (complete) heart blocks and accelerated junctional rhythm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17+ 0.20                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                   |           |                                                            |                         |         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| <sup>9</sup> Streptococcal antibodies: Upper limits of normal serum for<br>streptococcal antibody titres in children and adults (in u/ml).     AGE GROUP (YEARS)     ASO titre     Anti-DNase B titre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <sup>9</sup> Streptococcal antibodies: Upper limits of no<br>streptococcal antibody titres in children and                                                                                                                                                                                                                                                                                      |                                                                                            | ial serum for<br>dults (in u/ml). |           |                                                            |                         |         |  |  |
| $\frac{1-4}{5-14} = \frac{170}{276} = \frac{366}{499}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                 | y all com emarch and a                                                                     |                                   |           |                                                            |                         |         |  |  |
| Anti-Streptolysin O (ASO) and Anti-DeoxyriboNuclease B (Anti-DNase B): 15–24 238 473                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Anti-Streptolvsin O (A                                                                                                                                                                                                                                                                                                                                                                          | SO) and Anti-DeoxyriboNuclease B (Anti-DNase B):                                           |                                   |           |                                                            |                         |         |  |  |
| 25-34 177 390                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                            |                                   |           |                                                            |                         |         |  |  |
| ≥ 35     127     265       Go to www.RHDaustralia.org.au for the Diagnosis Calculator App and the 2020 ARF/RHD Guideline     265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Go to wayay PHDaustr                                                                                                                                                                                                                                                                                                                                                                            | alia org au for the Diagnosi                                                               | s Calculator App and the          |           |                                                            | 127                     | 265     |  |  |

Reference: RHD Australia (ARF/RHD writing group). The 2020 Australian guideline for prevention, diagnosis and management of acute rheumatic fever heart disease (3.2 edition); 2022 <u>https://www.rhdaustralia.org.au/arf-rhd-guidelines</u>

Page 2 of 2