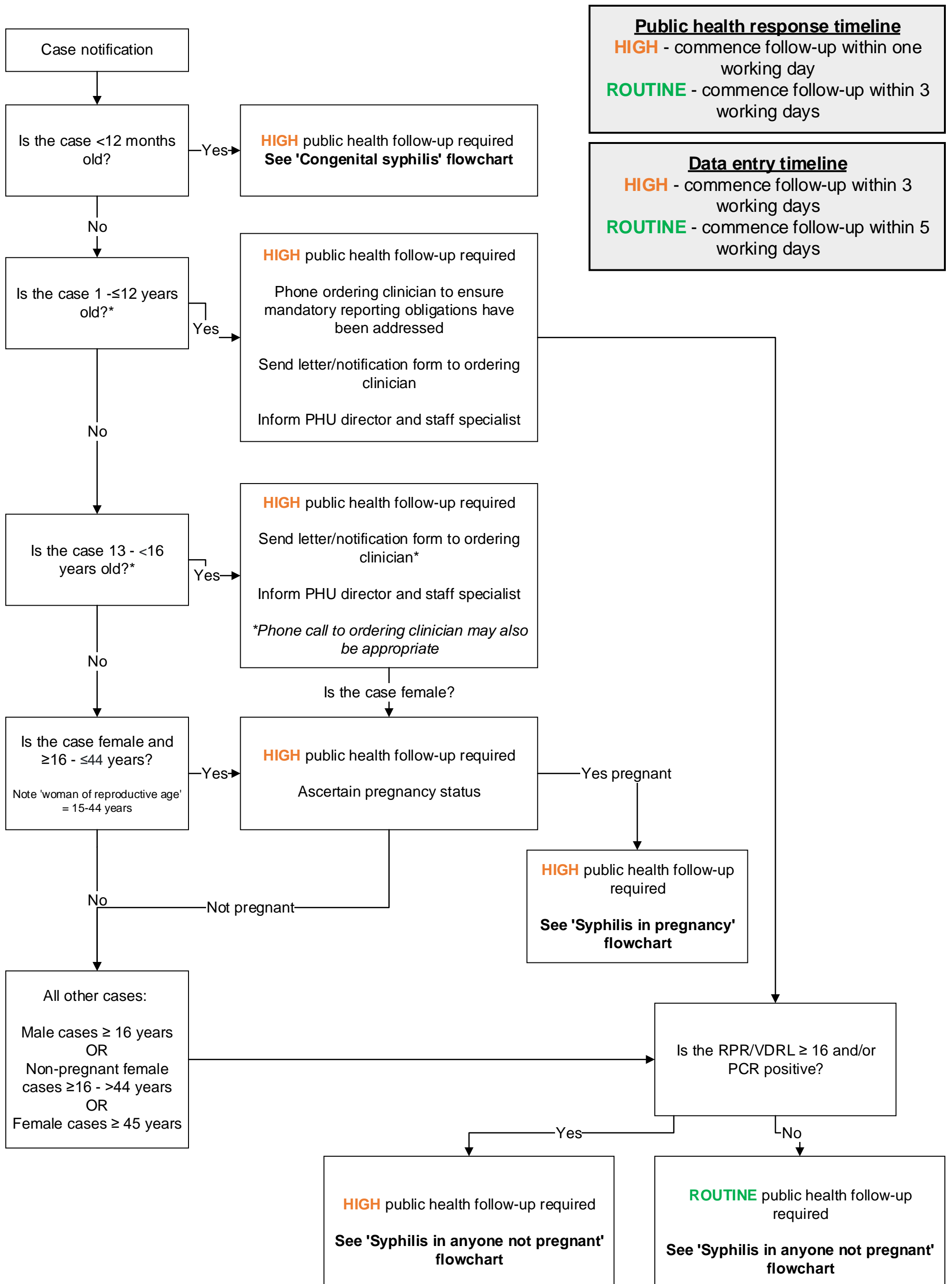


SYPHILIS CASE TRIAGE



Public health response timeline
HIGH - commence follow-up within one working day
ROUTINE - commence follow-up within 3 working days

Data entry timeline
HIGH - commence follow-up within 3 working days
ROUTINE - commence follow-up within 5 working days

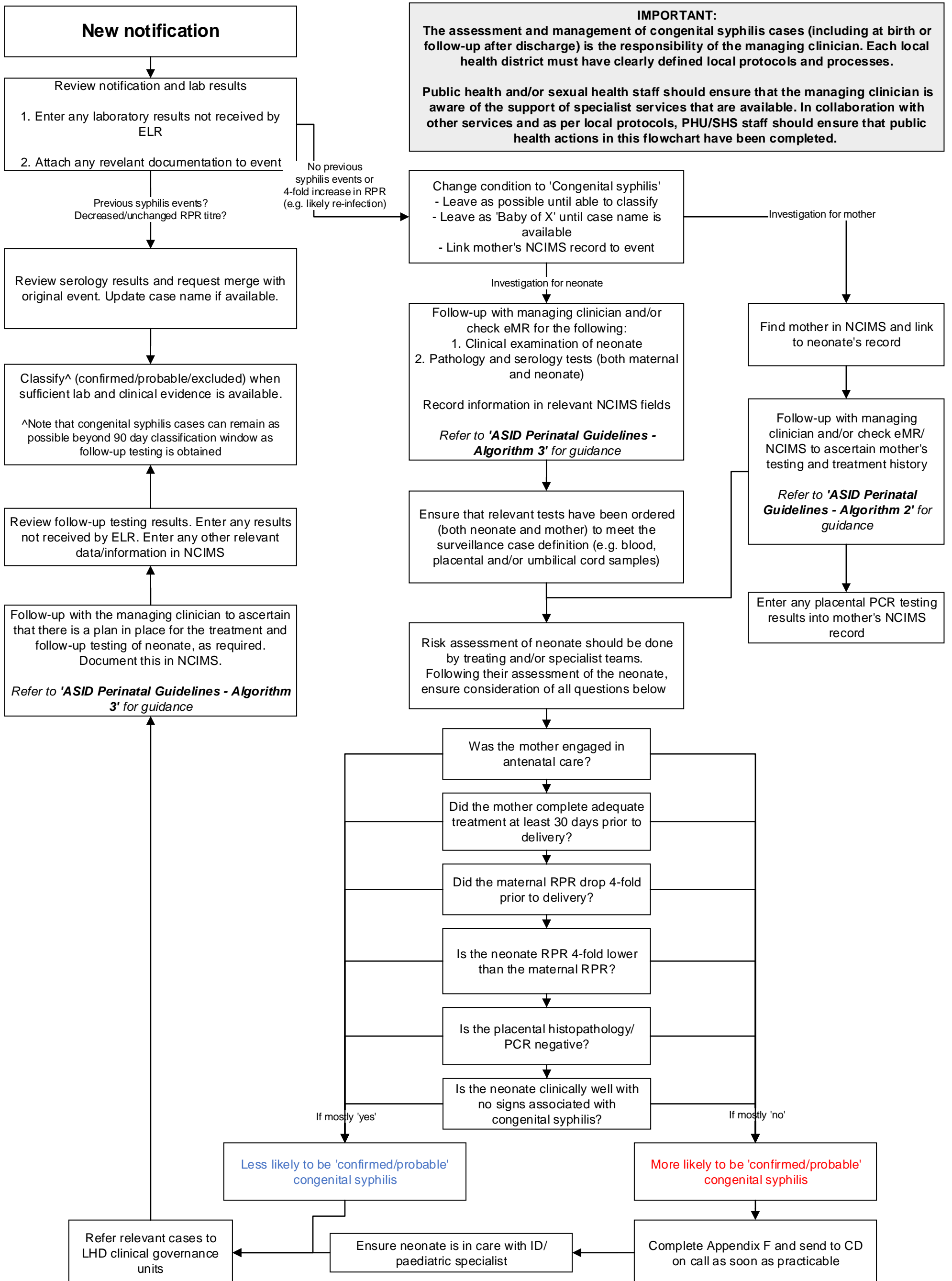
* For interstate case <16 years old: if the case is present in NSW or has a sufficient connect to NSW, follow the above steps in this flowchart. See NSW specific syphilis guidance for 'Cases under 16 years' in the syphilis control guidelines for more information.

CONGENITAL SYPHILIS

Public health priority: HIGH

Response: commence follow-up within 1 working day

Data entry: commence within 3 working days

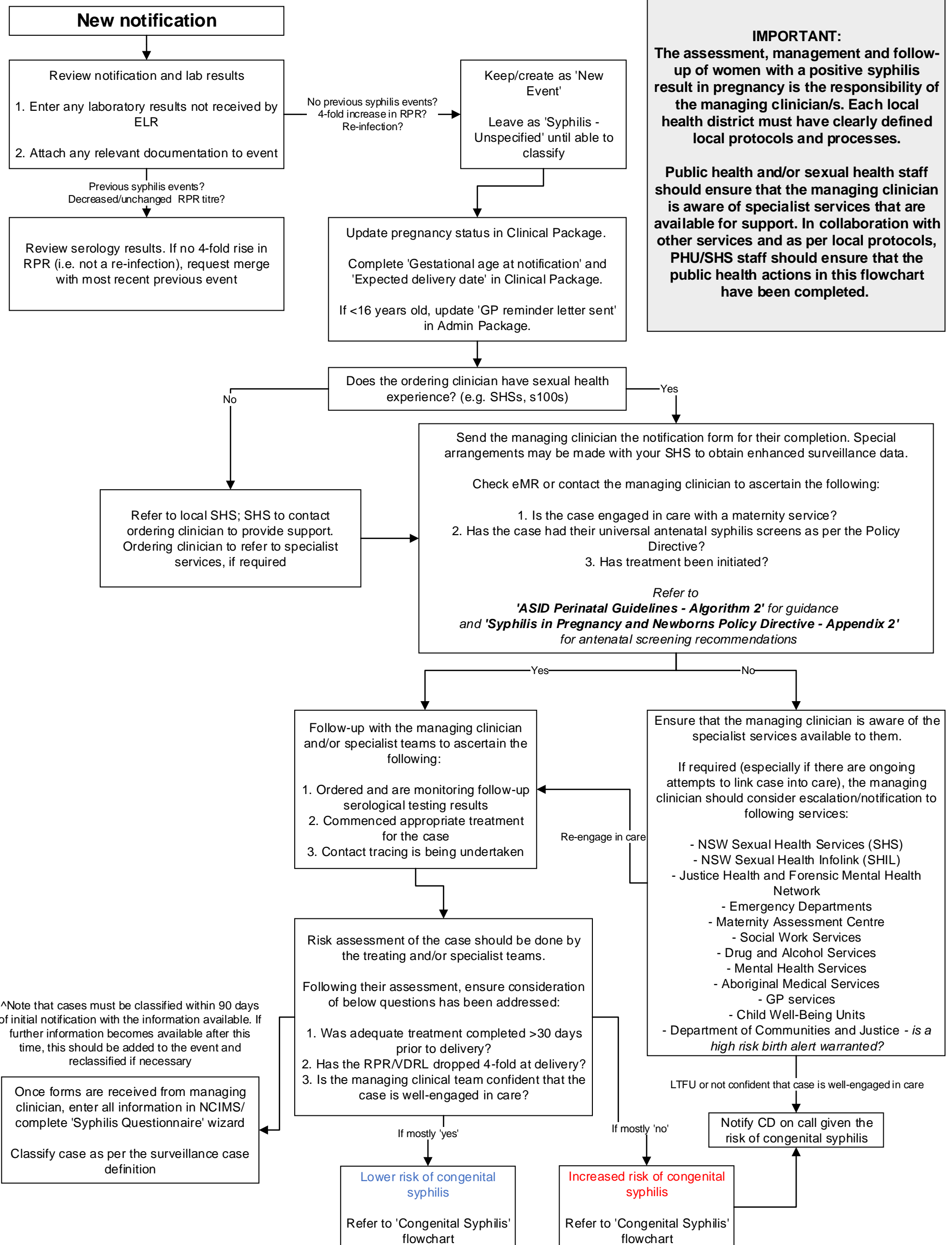


SYPHILIS IN PREGNANCY

Public health priority: HIGH

Response: commence follow-up within 1 working day

Data entry: commence within 3 working days



SYPHILIS IN ANYONE NOT PREGNANT

INFECTIOUS SYPHILIS public health priority: **HIGH**

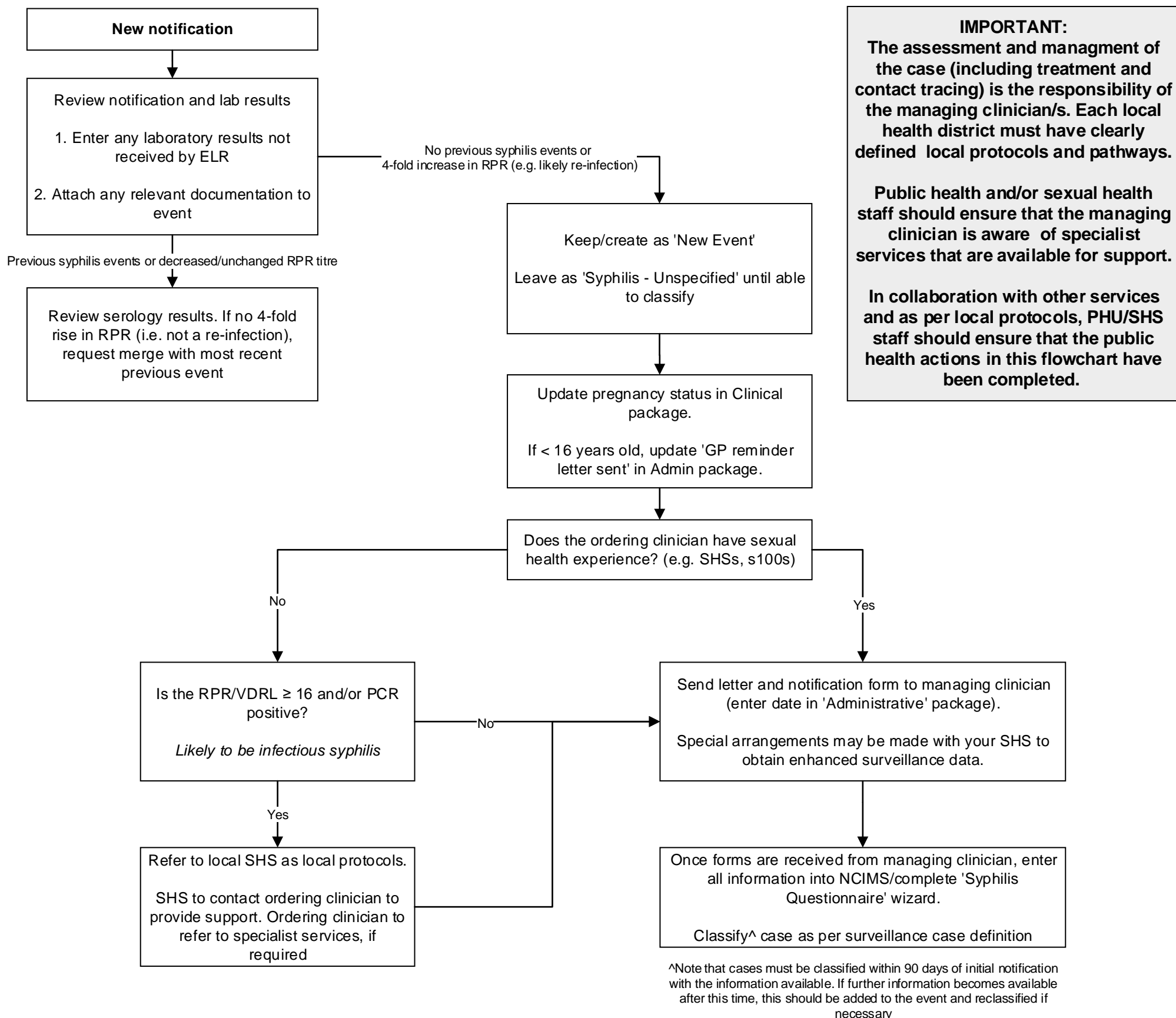
Response: commence follow-up within 1 working day

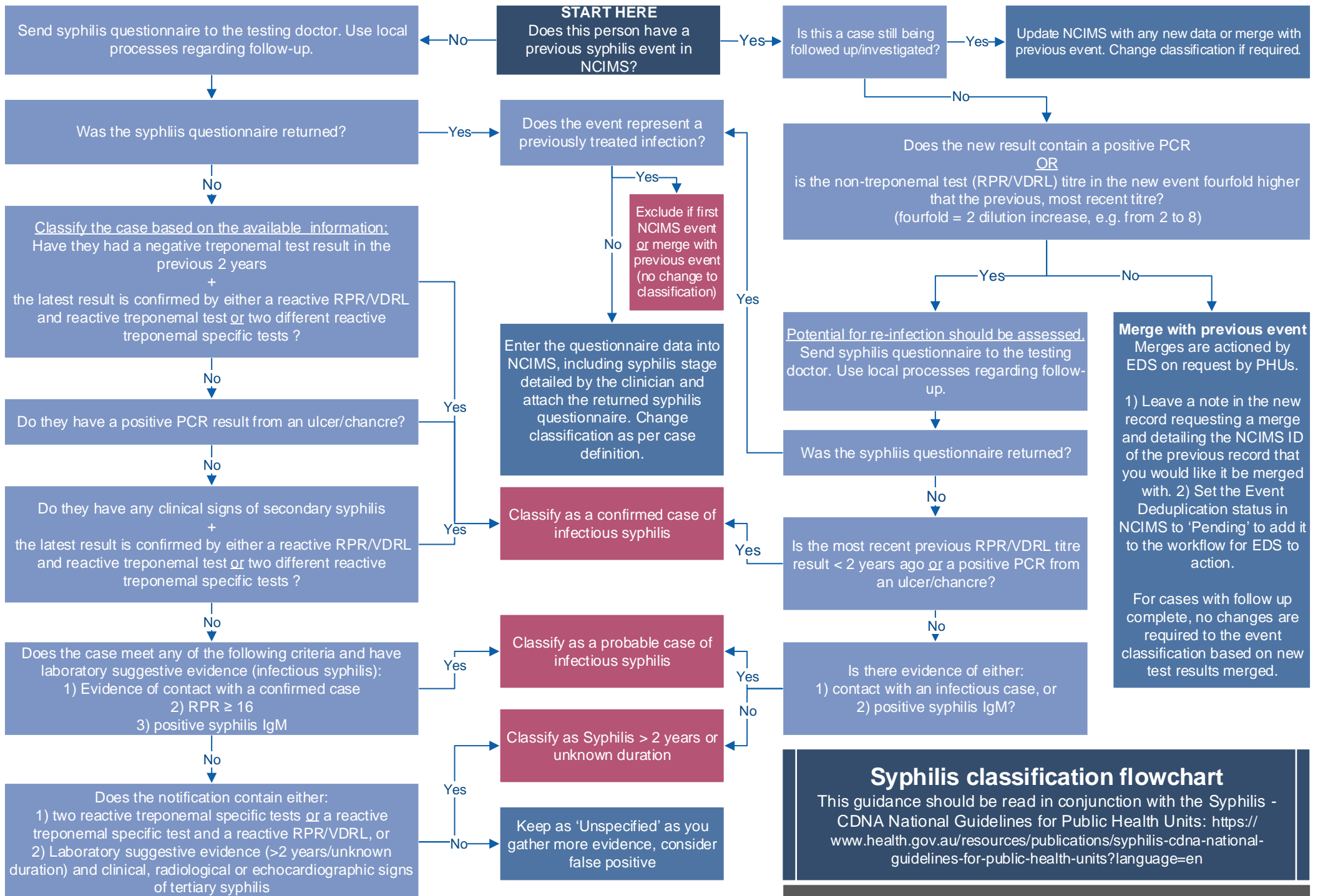
Data entry: commence within 3 working days

ROUTINE SYPHILIS public health priority: **ROUTINE**

Response: commence follow-up within 3 working days

Data entry: commence within 5 working days





Syphilis classification flowchart
 This guidance should be read in conjunction with the Syphilis - CDNA National Guidelines for Public Health Units: <https://www.health.gov.au/resources/publications/syphilis-cdna-national-guidelines-for-public-health-units?language=en>

Treponemal specific test: TPPA, TPHA, CIA, EIA, FTA-ABS
Non-treponemal specific tests: RPR, VDRL

Definitions for infectious syphilis – less than two years duration

Laboratory definitive evidence

Seroconversion in past two years: treponemal specific test reactive when previous treponemal specific test non-reactive and the latest result is confirmed by either a reactive non-treponemal test or a different reactive treponemal specific test, or
A four-fold or greater rise in non-treponemal antibody titre compared with the titre within the past two years, and a reactive treponemal specific test.

Laboratory suggestive evidence

Demonstration of *T. pallidum* by dark-field microscopy (not oral lesion), or direct fluorescent antibody microscopy, equivalent microscopic methods (e.g. silver stains), or DNA methods (e.g. nucleic acid testing), or
A reactive treponemal test confirmed by either a reactive non-treponemal test or a different reactive treponemal specific test, or
A reactive non-treponemal test confirmed by a treponemal specific test

Clinical evidence

Presence of a primary chancre (or ulcer) or clinical signs of secondary syphilis.

Confirmed case:

- 1) Laboratory definitive evidence, or
- 2) Laboratory suggestive evidence + clinical evidence

Probable case:

Requires that the case does not meet the criteria for a confirmed case and either:

- A) In a person with no known previous reactive serology: no history of adequate treatment of syphilis, or endemic treponemal disease, and
Contact with an infectious case and laboratory suggestive evidence or
Laboratory suggestive evidence and RPR ≥ 16 or
Positive syphilis IgM and laboratory suggestive evidence
- B) In a person with previous reactive serology: a fourfold or greater rise in non-treponemal antibody titre when the previous serology was done more than two years ago and
Contact with an infectious case or
Positive syphilis IgM

Definitions for syphilis >2 years or unknown duration

Laboratory definitive evidence

A reactive treponemal specific test which is confirmed by either a reactive non-treponemal test or by a different reactive treponemal specific test, and

A) In a person with no known previous reactive serology: no history of adequate treatment of syphilis, or endemic treponemal disease (e.g. Yaws), or

B) In a person with previously reactive serology: a four-fold or greater rise in non-specific treponemal antibody titre when the previous serology was done more than two years ago.

Laboratory suggestive evidence

Demonstration of *T. pallidum* by dark-field microscopy (not oral lesion), or direct fluorescent antibody microscopy, equivalent microscopic methods (e.g. silver stains), or DNA methods (e.g. nucleic acid testing), or

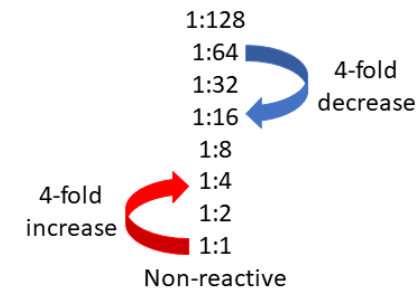
Clinical evidence

Clinical, radiological or echocardiographic signs of tertiary syphilis.

Confirmed case:

- 1) Laboratory definitive evidence, or
- 2) Laboratory suggestive evidence + clinical evidence

Below are some titre dilutions depicting a 4-fold increase and decrease:



RPRs are typically 1-2 titre dilutions higher than a VDRL. It is preferable to compare the same non-treponemal tests.