

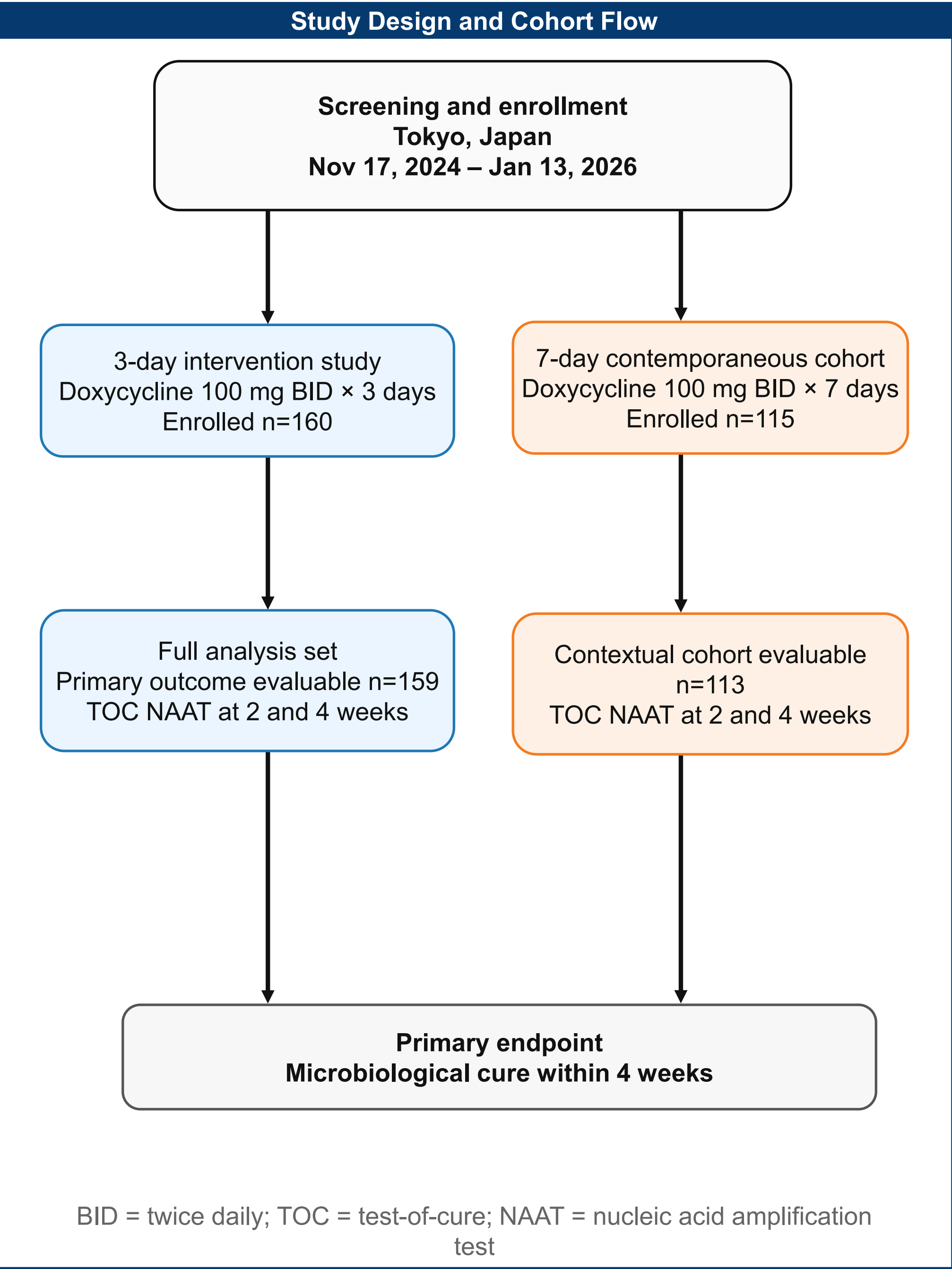
1. INTRODUCTION

- Chlamydia trachomatis* remains a common bacterial STI worldwide and is highly prevalent among MSM.
- Extragenital infection, especially rectal infection, is common in MSM.
- International guidelines recommend doxycycline 100 mg twice daily for 7 days as first-line therapy for uncomplicated infection.
- Adherence to multi-day doxycycline regimens may be suboptimal in real-world settings.
- A 3-day doxycycline regimen has pharmacologic plausibility, but prospective evidence in MSM has been lacking.

2. METHODS

- Open-label single-arm interventional study in Tokyo, Japan.
- Adults aged ≥18 years with urogenital and/or extragenital *C. trachomatis* detected by NAAT.
- Doxycycline 100 mg twice daily for 3 days.
- Test-of-cure NAAT scheduled at 2 and 4 weeks after treatment completion.
- Prespecified primary endpoint: microbiological cure within 4 weeks.
- Non-randomized contemporaneous 7-day doxycycline cohort included for descriptive contextual comparison only.

Trial registration: jRCTs031240353.
Ethics approval: NCGM-C-004884-01.



A. Baseline snapshot

	3-day study (n=160)	7-day cohort (descriptive) (n=115)
Primary analysis set	159	113
Median age, years (IQR)	36 (32–45)	39 (33–49)
HIV infection, n (%)	71 (44.4)	54 (47.0)
Rectal chlamydia, n (%)	134 (83.8)	96 (83.5)
Pharyngeal chlamydia, n (%)	20 (12.5)	10 (8.7)
Urogenital chlamydia, n (%)	21 (13.1)	18 (15.7)
Multisite infection, n (%)	17 (10.6)	11 (9.6)

D. Adherence and safety (3-day study)

Adherence (3-day study)

- Completed all doses: 141/154 (91.6%)
- Non-adherence:
 - 1 missed dose in 11 participants
 - 2 missed doses in 2 participants

Self-reported adverse events (3-day study)

- Any AE: 24/156 (15.4%)
- All AEs were mild and self-limiting

7-day cohort (descriptive context)

- Any AE: 17/78 (21.8%)

Any AE

Diarrhoea

Nausea

Rash

Stomatitis

Headache

Percentages based on participants with available safety data.

