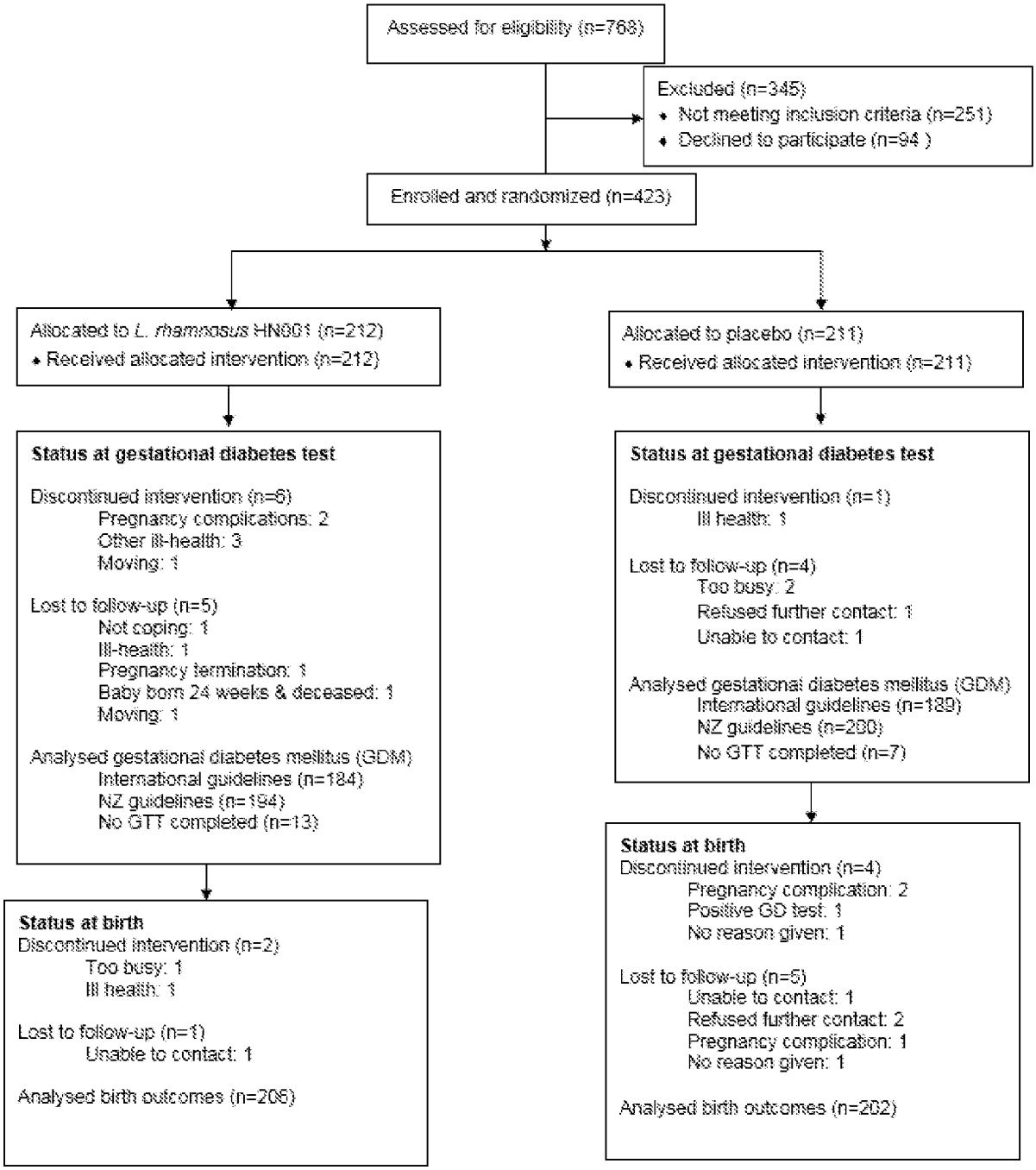

Assessed for eligibility (n=768)
Excluded (n=345)
Not meeting inclusion criteria (n=251)
Declined to participate (n=94)
Enrolled and randomized (n=423)
Allocated to L. rhamnosus HN001 (n=212)
Received allocated intervention (n=212)
Allocated to placebo (n=211)
Received allocated intervention (n=211)
Status at gestational diabetes test
Discontinued intervention (n=6)
Pregnancy complications: 2
Other ill-health: 3
Moving: 1
Lost to follow-up (n=5)
Not coping: 1
Ill-health: 1
Pregnancy termination: 1
Baby born 24 weeks & deceased: 1
Moving: 1
Analysed gestational diabetes mellitus (GDM)
International guidelines (n=184)
NZ guidelines (n=194)
No GTT completed (n=13)
Status at gestational diabetes test
Discontinued intervention (n=1)
Ill health: 1
Lost to follow-up (n=4)
Too busy: 2
Refused further contact: 1
Unable to contact: 1
Analysed gestational diabetes mellitus (GDM)
International guidelines (n=189)
NZ guidelines (n=200)
No GTT completed (n=7)
Status at birth
Discontinued intervention (n=2)
Too busy: 1
Ill health: 1
Lost to follow-up (n=1)
Unable to contact: 1
Analysed birth outcomes (n=208)
Status at birth
Discontinued intervention (n=4)
Pregnancy complication: 2
Positive GD test: 1
No reason given: 1
Lost to follow-up (n=5)
Unable to contact: 1
Refused further contact: 2
Pregnancy complication: 1
No reason given: 1
Analysed birth outcomes (n=202)

Figure 1

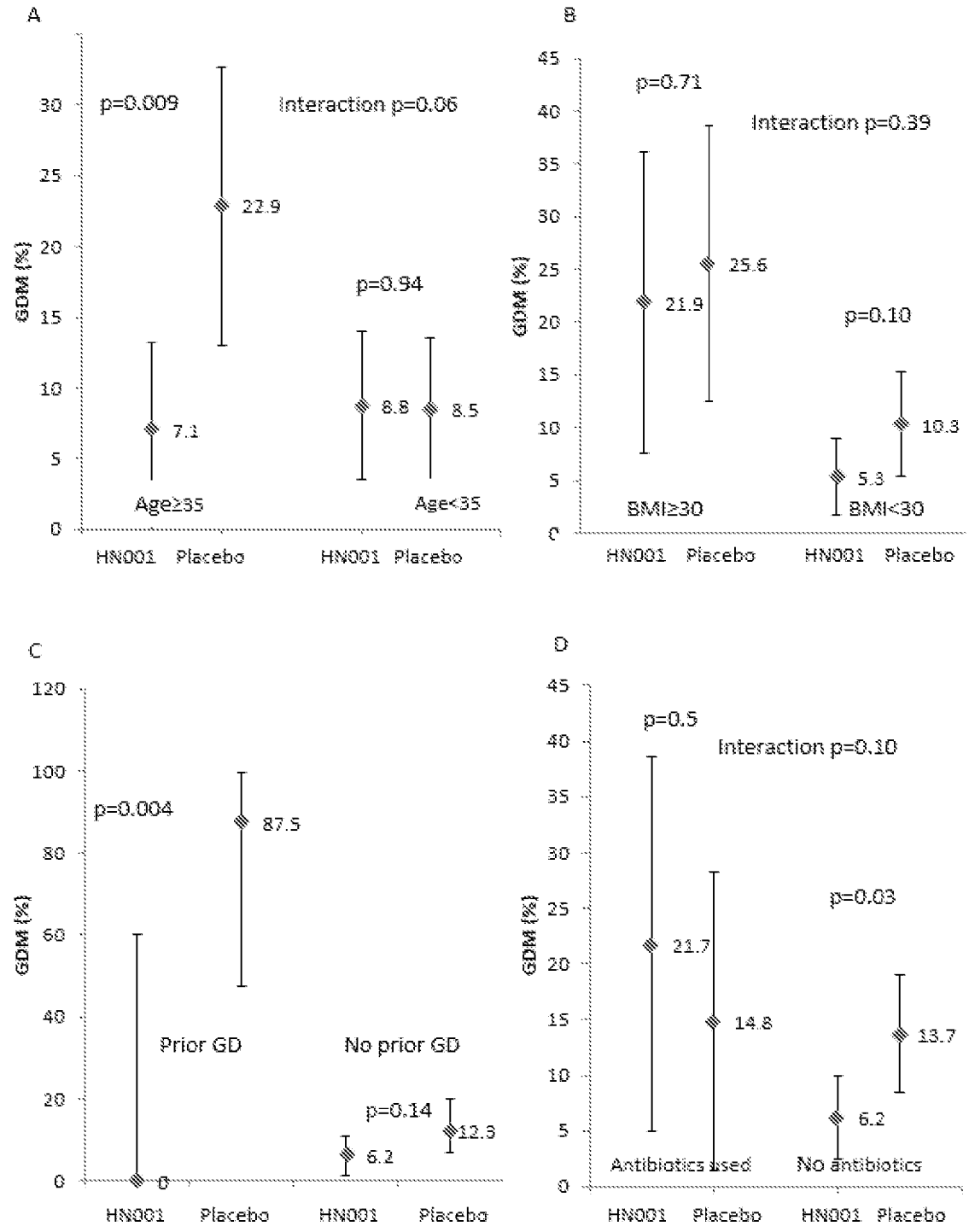

A
p=0.009
Interaction p=0.06
22.9
p=0.94
8.8
8.5
7.1
Age≥35
Age<35
GDM (%)
HN001 Placebo HN001 Placebo
B
p=0.71
Interaction p=0.39
25.6
21.9
p=0.10
10.3
5.3
BMI≥30
BMI<30
GDM (%)
HN001 Placebo HN001 Placebo
C
p=0.004
87.5
Prior GD
No prior GD
p=0.14
12.3
6.2
0
GDM (%)
HN001 Placebo HN001 Placebo
D
p=0.5
Interaction p=0.10
21.7
14.8
p=0.03
13.7
6.2
Antibiotics used
No antibiotics
GDM (%)
HN001 Placebo HN001 Placebo

Figure 2

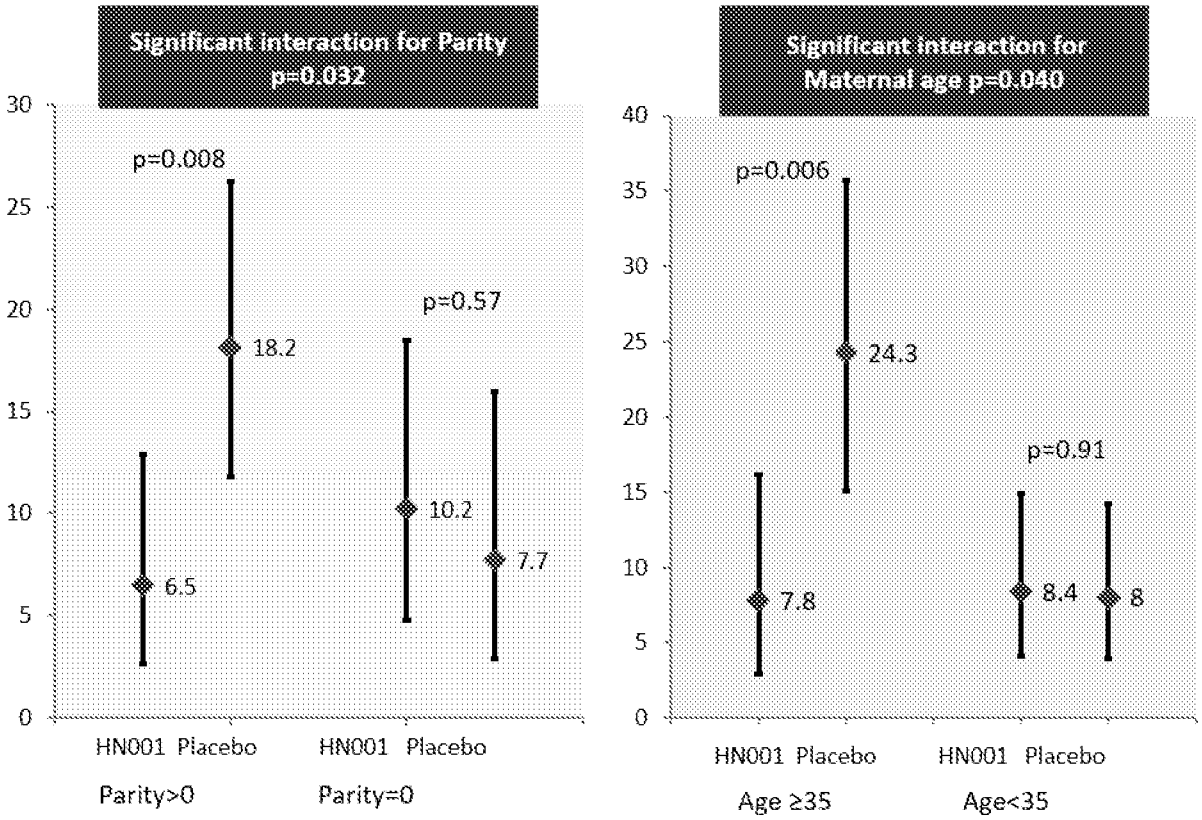

Significant interaction for Parity p=0.032
30
25
20
15
10
5
0
p=0.008
18.2
6.5
p=0.57
10.2
7.7
HN001 Placebo
Parity>0
HN001 Placebo
Parity=0
Significant interaction for Maternal age p=0.040
40
35
30
25
20
15
10
5
0
p=0.006
24.3
7.8
p=0.91
8.4
8
HN001 Placebo
Age ≥35
HN001 Placebo
Age<35

Figure 3