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## Study Design & Population

Study type: Prospective  
Cross-sectional Study  
Sample size: 275 children  
(6 months - 4 years)  
Setting: well child visit in hospital  
Timeline: Jun - Oct 2025



Functional constipation prevalence:  
15.6% (n=43)

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## Data Collection & Diagnosis




Thai Rome IV  
Questionnaires  
(Functional constipation  
Diagnosis)


VS

### TYPES 1-7 BRISTOL STOOL CHART

**Type 1**   
Separate hard lumps, like nuts

**Type 2**   
Lumpy and sausage-shaped

**Type 3**   
Like a sausage with cracks on  
the surface

**Type 4**   
Like a smooth, soft sausage  
or snake

**Type 5**   
Soft blobs with clear edges

**Type 6**   
Fluffy pieces with ragged edges

**Type 7**   
Watery, no solid pieces

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## Data Collection & Diagnosis



Confirmatory Tool  
(98.3% Specificity)



Not Screening Tool  
(48.8% Sensitivity)

Recommendation:  
Use Bristol stool chart Type 1-2 together with  
Rome IV, not as a standalone screening tool

Comparison: Bristol stool chart vs Rome IV

Diagnostic Accuracy	Result
Sensitivity	48.8%
Specificity	98.3%
PPV	84.0%
NPV	91.2%

Supplementary Figure 1 Study design & population, diagnosis.