

**Supplemental Digital Content, containing 7 tables**

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**Table 1: Phase 1 Area Distribution Calls for *H. Pylori* Cases**

<b>H. pylori (%)</b>	<b>Reactive Gastropathy (%)</b>	<b>Normal (%)</b>
98.5%	0.9%	0.6%
98.0%	0.3%	1.7%
97.9%	0.1%	1.9%
97.4%	0.5%	2.1%
97.3%	2.4%	0.3%
97.2%	1.6%	1.2%
96.4%	0.0%	3.6%
96.4%	0.5%	3.1%
94.5%	1.4%	4.1%
93.0%	0.1%	7.0%
90.1%	3.6%	6.3%
89.4%	10.0%	0.6%
88.6%	10.5%	0.9%
88.0%	11.5%	0.5%
87.3%	10.4%	2.3%
86.8%	12.4%	0.7%
86.7%	3.6%	9.6%
82.1%	1.0%	16.8%
82.1%	7.8%	10.1%
80.8%	0.4%	18.8%
80.0%	1.7%	18.3%
79.8%	13.6%	6.6%
79.1%	13.3%	7.5%
76.0%	0.5%	23.5%
75.9%	0.0%	24.1%
74.9%	2.2%	22.8%
54.3%	5.5%	40.2%
53.5%	0.0%	46.5%
53.2%	38.1%	8.7%
50.0%	16.2%	33.7%

**Mean HPAD = 83.5%**

**Mean RGAD = 5.7%**

**Mean NAD = 10.8%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 2: Phase 1 Area Distribution Calls for Reactive Gastropathy Cases**

<b>Reactive Gastropathy (%)</b>	<b>H. Pylori (%)</b>	<b>Normal (%)</b>
100.0%	0.0%	0.0%
99.0%	0.0%	1.0%
95.8%	0.0%	4.2%
94.7%	2.5%	2.7%
94.6%	2.5%	2.9%
93.9%	1.2%	4.9%
93.4%	1.1%	5.4%
91.9%	0.0%	8.1%
91.0%	6.1%	2.8%
90.1%	0.2%	9.8%
89.4%	1.4%	9.2%
89.3%	1.6%	9.1%
86.2%	1.6%	12.2%
84.9%	2.3%	12.8%
83.4%	0.1%	16.5%
82.8%	6.8%	10.4%
80.8%	1.7%	17.5%
80.3%	4.9%	14.8%
79.9%	6.2%	13.9%
78.6%	0.0%	21.4%
78.1%	0.0%	21.9%
77.6%	2.3%	20.1%
76.8%	13.7%	9.5%
73.5%	5.3%	21.1%
68.5%	1.4%	30.1%
68.3%	0.0%	31.7%
67.1%	5.7%	27.2%
61.1%	0.3%	38.6%
60.9%	3.2%	35.9%
48.6%	9.4%	42.0%

**Mean RGAD = 82.0%**

**Mean NAD = 15.3%**

**Mean HPAD = 2.7%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 3: Phase 1 Area Distribution Calls for Normal Cases**

<b>Normal (%)</b>	<b>Reactive Gastropathy (%)</b>	<b>H. Pylori (%)</b>
100.0%	0.0%	0.0%
100.0%	0.0%	0.0%
100.0%	0.0%	0.0%
99.9%	0.1%	0.0%
99.6%	0.0%	0.4%
98.7%	0.6%	0.7%
98.1%	0.3%	1.6%
98.0%	1.8%	0.2%
97.5%	2.0%	0.5%
97.4%	1.1%	1.6%
96.9%	1.5%	1.6%
93.9%	2.2%	3.8%
93.3%	5.4%	1.3%
92.5%	4.1%	3.5%
87.7%	10.5%	1.7%
86.8%	0.7%	12.5%
84.5%	13.9%	1.7%
83.6%	0.5%	15.9%
83.5%	16.5%	0.0%
82.8%	3.3%	13.9%
82.1%	17.9%	0.1%
81.8%	12.2%	6.1%
79.0%	19.0%	1.9%
79.0%	17.4%	3.7%
77.7%	22.3%	0.0%
77.6%	4.3%	18.1%
77.4%	9.1%	13.6%
76.7%	18.6%	4.6%
57.9%	0.1%	42.1%
33.0%	55.4%	11.6%

**Mean NAD = 86.6%**

**Mean RGAD = 8.0%**

**Mean HPAD = 5.4%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 4: Phase 2 Area Distribution Calls for *H. Pylori* Cases**

<b>H. Pylori (%)</b>	<b>Reactive Gastropathy (%)</b>	<b>Normal (%)</b>
99.7%	0.3%	0.0%
99.6%	0.0%	0.4%
97.5%	2.1%	0.4%
97.4%	1.5%	1.1%
96.6%	2.7%	0.8%
95.6%	0.9%	3.6%
93.8%	2.8%	3.4%
91.1%	5.1%	3.7%
90.3%	8.1%	1.7%
88.7%	7.2%	4.1%
88.5%	10.4%	1.0%
87.9%	5.7%	6.3%
87.8%	9.1%	3.1%
87.5%	12.4%	0.0%
86.8%	2.6%	10.5%
84.2%	0.1%	15.7%
84.1%	7.2%	8.7%
80.6%	18.7%	0.6%
73.4%	0.4%	26.2%
64.4%	31.1%	4.6%
56.4%	1.8%	41.8%
49.9%	46.0%	4.1%
38.5%	1.7%	59.8%

**Mean HPAD = 83.5%**

**Mean RGAD = 7.7%**

**Mean NAD = 8.8%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 5: Phase 2 Area Distribution Calls for Mild Chronic Inactive Gastritis Cases**

<b>Normal (%)</b>	<b>Reactive Gastropathy (%)</b>	<b>H. Pylori (%)</b>
87.4%	2.0%	10.5%
86.7%	5.9%	7.5%
86.1%	8.5%	5.4%
74.6%	6.2%	19.2%
72.0%	7.3%	20.6%
71.6%	20.0%	8.4%
71.1%	22.7%	6.2%
68.3%	26.2%	5.5%
66.3%	33.5%	0.2%
65.1%	29.3%	5.7%
61.7%	26.8%	11.5%
59.5%	37.8%	2.7%
58.4%	9.4%	32.2%
58.3%	32.6%	9.1%
57.7%	28.7%	13.6%
54.3%	20.8%	24.9%
52.7%	30.5%	16.9%
47.0%	38.6%	14.3%
37.7%	53.5%	8.8%
36.0%	39.6%	24.5%
25.2%	61.7%	13.2%
23.5%	56.4%	20.1%
22.4%	56.3%	21.3%
21.2%	66.8%	12.1%
16.0%	84.0%	0.0%
12.0%	83.2%	4.8%
10.6%	84.1%	5.2%
10.1%	68.7%	21.2%

**Mean NAD = 50.5%**

**Mean RGAD = 37.2%**

**Mean HPAD = 12.3%**

**(total mean HPAD + RGAD = 49.5%)**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 6: Phase 2 Area Distribution Calls for Reactive Gastropathy/Mild Reactive Gastropathy Cases**

<b>Reactive Gastropathy/Mild Reactive Gastropathy (%)</b>	<b>Normal (%)</b>	<b>H. Pylori (%)</b>
93.3%	0.8%	5.9%
93.2%	1.1%	5.7%
91.2%	7.7%	1.1%
90.1%	8.5%	1.3%
88.4%	9.2%	2.3%
87.4%	10.4%	2.2%
85.9%	10.1%	4.0%
85.8%	14.2%	0.0%
85.2%	10.4%	4.4%
83.2%	13.1%	3.7%
81.1%	18.9%	0.0%
76.6%	23.1%	0.4%
74.1%	17.3%	8.5%
71.3%	27.2%	1.4%
71.0%	27.3%	1.7%
70.4%	10.8%	18.9%
70.2%	4.7%	25.1%
69.4%	26.2%	4.3%
65.1%	32.4%	2.5%
63.9%	30.9%	5.2%
63.0%	34.9%	2.1%
61.9%	38.1%	0.0%
56.3%	35.2%	8.5%
55.9%	43.3%	0.8%
48.5%	49.5%	2.0%
45.1%	54.5%	0.3%

**Mean RGAD = 74.1%**

**Mean NAD = 21.5%**

**Mean HPAD = 4.3%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***

**Table 7: Phase 2 Area Distribution Calls for Normal Cases**

<b>Normal (%)</b>	<b>Reactive Gastropathy (%)</b>	<b>H. Pylori (%)</b>
99.7%	0.3%	0.0%
98.4%	1.6%	0.0%
94.4%	0.2%	5.4%
93.0%	6.5%	0.5%
91.5%	8.1%	0.4%
91.2%	1.4%	7.4%
82.5%	13.9%	3.6%
81.7%	14.8%	3.6%
81.6%	18.0%	0.4%
80.6%	17.0%	2.4%
79.4%	14.1%	6.5%
79.2%	17.7%	3.1%
77.6%	0.3%	22.1%
64.8%	33.4%	1.8%
63.6%	35.3%	1.1%
62.8%	28.1%	9.1%
62.3%	37.4%	0.3%
60.0%	39.1%	0.9%
57.2%	8.5%	34.3%
54.3%	42.5%	3.2%
51.7%	42.2%	6.1%
50.2%	48.3%	1.5%
49.6%	46.6%	3.9%
48.3%	50.5%	1.2%
39.9%	56.3%	3.8%
36.0%	62.8%	1.3%
35.9%	64.0%	0.1%
24.2%	70.5%	5.3%
13.9%	76.0%	10.1%

**Mean NAD = 65.7%**

**Mean RGAD = 29.5%**

**Mean HPAD = 4.8%**

***HPAD = H. pylori area distribution, RGAD = reactive gastropathy area distribution, NAD = normal area distribution***