Supplemental Digital Content: Demographic Variables

Sample 1 Sample 2 Total Sample

N= 60 N= 99 N=159

Age in Years

Mean (SD) 9.47 (4.41) 10.68 (4.63) 10.23 (4.57)

Median 8.98 12.09 10.40

Range 16.5 15.51 16.5

Gender

Female 76.7% 65.7% 69.8%

Male 23.3% 34.3% 30.2%

Race/Ethnicity

White 93% 90% 91.2%

Other 7% 10% 8.8%

Type of Insurance

Private 70% 72.3% 71.7%

Public 28.3% 24.2% 25.8%

Uninsured 1.7% 3% 2.5%

Family History of CeD 11.7% 5.1% 2.5%

Symptoms prior to Dx

Weight Loss 5% 8% 6.9%

Poor Weight Gain 8.3% 12.1% 10.7%

Short Stature 6.6% 2% 3.9%

Diarrhea 11.6% 26.2% 20.8%

Constipation 16.2% 18.3% 17%

Abdominal Pain 45% 58.5% 53.5%

Rash 8.3% 2% 4.4%

Anemia 0% 1% 0.6%

Headache 8.3% 5.1% 6.3%

Vomiting/Nausea 38.3% 26.3% 30.8%

Asymptomatic 15% 13.1% 14%

Comorbid Disorders

Type 1 Diabetes 6.7% 12.1% 10.1%

Trisomy 21 5% 5.1% 5%

Hypothyroidism 5% 3% 3.8%

Marsh Scores at Dx

3a 16.7% 11.1% 13.2%

3b 40% 35.4% 37.1%

3c 43.3% 52.5% 49.1%

4 0% 1% 0.6%

Height z-score

Mean (SD) -0.22(1.4) -0.47(1.6) -0.37(1.52)

Median -0.14 -0.040 -0.033

Range -3.6 - 4.4 -8.2 - 2.3 -8.2 - 4.4

Height Percentile

Mean (SD) 44.4(32.9) 40.7(31.2) 42.2(31.8)

Median 44.4 34.0 37.1

Range 0 - 100 0 - 99 0 - 100

Weight z-score

Mean (SD) -0.41(1.3) -0.16(-.21) -0.25(1.5)

Median -0.21 -0.21 -0.21

Range -3.4 - 1.9 -8.2 – 8.2 -8.2 - 8.2

Weight Percentile

Mean (SD) 41.9(32.3) 44.9(32.9) 43.8(32.6)

Median 41.5 42.0 42.0

Range 0-97 0-100 100

BMI z-score

Mean (SD) -0.24(1.2) 0.07(1.5) -0.05(1.4)

Median 0.02 0.08 0.06

Range -3.2 - 2.3 -3.2 - 8.2 -3.2 - 8.2

BMI Percentile

Mean (SD) 43.4(33.0) 52.1(33.0) 48.8(32.4)

Median 49.4 55.8 53

Range 0-99 0-100 0-100