

BASIS-Teen Pilot Project

2017 Interim Report prepared for:

Sovereign Health

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On behalf of the McLean eBASIS Team, thank you to all the staff, patients, caregivers and clinicians for your participation in the BASIS-Teen Pilot!



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BASIS-Teen Pilot Project Report Overview

This report was created using all data from your facility for survey dates through 2/8/17. The report contains summary data for each of the four pilot tools (see chart below) for overall score and by domain. Thank you for your participation in this project!

After preliminary analysis, we have determined that there are 5 BASIS-Teen domains. However, it is still too early to conclusively share, as we **continue to collect data**. For this report, we are not providing domains for BASIS-Teen, but item level analysis. Along with your individual site, we are including overall analysis, as well as a basic summary of the amount of cases we have received from your site.

The data for admissions surveys and discharge surveys is shown separately and **does not represent matched cases**. Keep in mind that **BASIS-Teen scores have no weighted values**. As such, the **BASIS-Teen scores are for informational purposes only since the tool has not been validated**.

Since the PSC-Y, PSC and BPRS-C are considered to be valid tools, the data presented is based on calculations provided by the tools' publishers.

BASIS-Teen Pilot: Site Data Summary

| <i>Survey</i> | <i>Inpatient</i> | | <i>Outpatient</i> | | <i>Resid/Partial</i> | | <i>Missing</i> | <i>Matched</i> |
|-------------------|------------------|------------------|-------------------|------------------|----------------------|------------------|-----------------|----------------|
| | <i>Admission</i> | <i>Discharge</i> | <i>Admission</i> | <i>Discharge</i> | <i>Admission</i> | <i>Discharge</i> | <i>LoC/Tmpt</i> | |
| BASIS-Teen | 3 | 3 | 1 | 12 | 179 | 86 | 3 | 35 |
| PSC-Y | 1 | 2 | 0 | 0 | 186 | 101 | 2 | 55 |
| PSC | 1 | 3 | 0 | 0 | 181 | 87 | 1 | 39 |
| BPRS-C | 0 | 0 | 0 | 0 | 146 | 85 | 2 | 43 |

Please note that PSC does not require matched cases, we only require Admission time point.

BASIS-Teen Pilot Project Tools

| Survey Name | Taken By | # of Questions |
|--|----------------------|---|
| BASIS-Teen | Patient | 24+demographic items |
| PSC-Y (Pediatric Symptom Checklist-Youth Report) | Patient | 35 items |
| PSC (Pediatric Symptom Checklist) | Parent/ Caregiver | 35 items |
| BPRS-C (Brief Psychiatric Rating Scale for Children) | Clinician | 21 + demographic/ diagnosis related items |

BASIS-Teen: Item Level Scores (Residential/Partial) **5697 Sovereign Health**

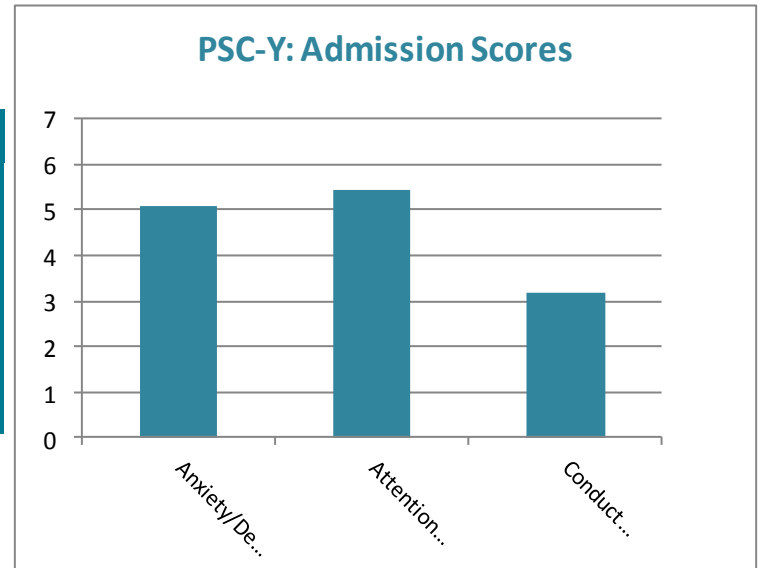
| BASIS-Teen Items | HCO: SH | | | | All HCO's: Comparison Group | | | |
|------------------------------------|----------------------|------|---------------------|------|-----------------------------|------|----------------------------|------|
| | Admission (N=179) | | Discharge (N=86) | | Admission Sites (N=614) | | Discharge Sites (N=330) | |
| | Mean | SD | Mean | SD | Mean | SD | Mean | SD |
| 1. Dealing with problems? | 2.33 | 1.14 | 1.21 | 1.02 | 2.23 | 1.18 | 1.41 | .95 |
| 2. Concentrating? | 2.11 | 1.37 | 1.20 | 1.09 | 2.05 | 1.30 | 1.52 | 1.17 |
| 3. Feel nervous? | 1.80 | 1.25 | 1.32 | .93 | 1.86 | 1.23 | 1.52 | .99 |
| 4. Think something bad...? | 1.77 | 1.32 | 1.68 | 1.44 | 1.84 | 1.33 | 2.19 | 1.37 |
| 5. Try to avoid things...? | 1.77 | 1.26 | 1.00 | 1.08 | 1.90 | 1.28 | 1.30 | 1.10 |
| 6. Feel tired...? | 1.99 | 1.44 | 1.08 | 1.17 | 2.10 | 1.42 | 1.45 | 1.21 |
| 7. Lack confidence in yourself? | 1.87 | 1.51 | .80 | .95 | 1.86 | 1.50 | 1.30 | 1.21 |
| 8. Feel sad or depressed? | 2.02 | 1.47 | .88 | 1.01 | 2.03 | 1.41 | 1.29 | 1.06 |
| 9. Feel the need to be perfect? | 1.62 | 1.60 | .78 | 1.06 | 1.53 | 1.49 | 1.15 | 1.29 |
| 10. Worry what people think...? | 1.70 | 1.55 | .93 | 1.10 | 1.78 | 1.48 | 1.32 | 1.26 |
| 11. Go out of your way...? | .57 | .96 | .27 | .71 | .52 | .89 | .31 | .658 |
| 12. Feel short-tempered? | 1.66 | 1.31 | .96 | .92 | 1.70 | 1.31 | 1.15 | 1.11 |
| 13. Have mood swings? | 1.71 | 1.31 | .82 | 1.00 | 1.82 | 1.34 | 1.23 | 1.16 |
| 14. Have problems at home...? | 2.10 | 1.30 | .92 | 1.05 | 2.09 | 1.22 | 1.26 | 1.05 |
| 15. Hang around others...? | 1.61 | 1.41 | .73 | 1.12 | 1.37 | 1.31 | .80 | 1.08 |
| 16. Think about ending...? | .95 | 1.36 | .27 | .68 | 1.04 | 1.26 | .59 | .91 |
| 17. Think about hurting...? | .86 | 1.37 | .22 | .62 | 1.03 | 1.32 | .65 | .97 |
| 18. Would you rather...? | 1.93 | 1.37 | 1.18 | 1.12 | 2.12 | 1.33 | 1.55 | 1.18 |
| 19. Do you find yourself...? | 1.59 | 1.44 | .92 | 1.07 | 1.74 | 1.50 | 1.47 | 1.35 |
| 20. Did you feel restless? | 1.89 | 1.31 | 1.15 | 1.13 | 1.86 | 1.27 | 1.43 | 1.16 |
| 21. Did you have thoughts...? | 2.31 | 1.36 | 1.44 | 1.32 | 2.27 | 1.35 | 1.74 | 1.31 |
| 22. Did you feel distracted? | 2.34 | 1.35 | 1.63 | 1.31 | 2.33 | 1.28 | 1.82 | 1.26 |
| 23. Did you have urge to drink...? | 1.63 | 1.48 | .66 | 1.10 | 1.13 | 1.41 | .71 | 1.09 |
| 24. Did anyone talk...about...use? | 1.63 | 1.61 | .76 | 1.26 | .92 | 1.38 | .51 | 1.00 |

Scale (Level of Difficulty): 4 = extreme 3 = quite a bit 2 = moderate 1 = a little 0 = none

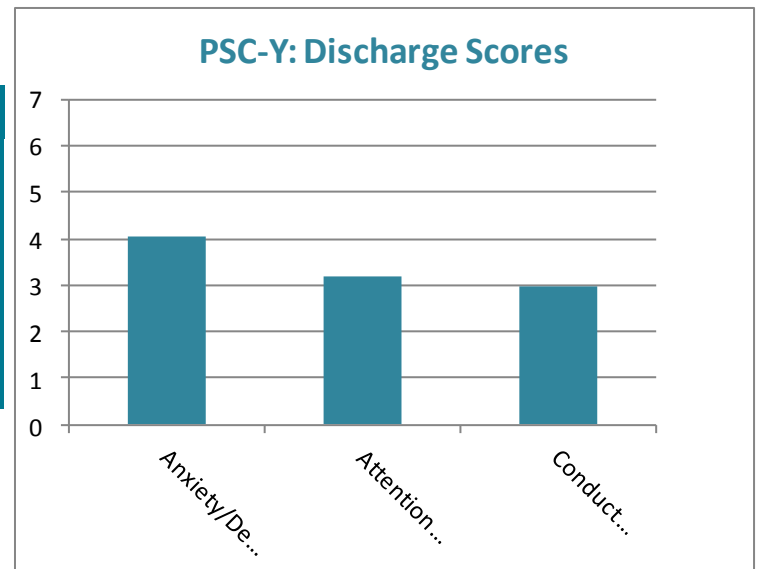
PSC-Y Survey Scores for:

5697 Sovereign Health (Residential/Partial)

| PSC-Y Domains | HCO Admission Scores | |
|--------------------|----------------------|-------|
| | Mean | SD |
| N=186 | | |
| Anxiety/Depression | 5.09 | 2.58 |
| Attention Problems | 5.43 | 2.83 |
| Conduct Problems | 3.19 | 2.52 |
| Overall Score | 29.84 | 11.41 |



| PSC-Y Domains | HCO Discharge Scores | |
|--------------------|----------------------|-------|
| | Mean | SD |
| N=101 | | |
| Anxiety/Depression | 4.05 | 2.80 |
| Attention Problems | 3.17 | 2.51 |
| Conduct Problems | 2.99 | 3.00 |
| Overall Score | 21.07 | 14.36 |



Scale: An overall score of 30 and above is considered to be impaired

For Anxiety/Depression, a score of 5 and above is considered to be impaired

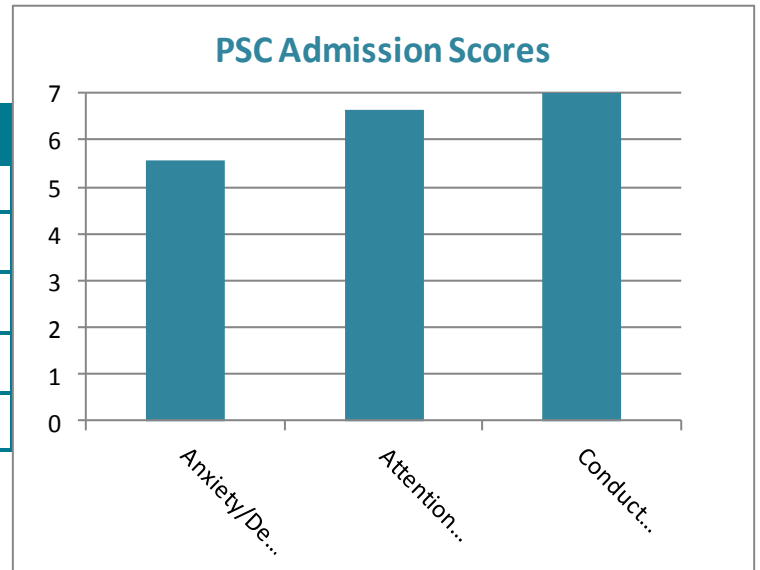
For Attention Problems and Conduct Problems, a score of 7 and above is considered to be impaired

For more information about the PSC-Y, please visit http://www.massgeneral.org/psychiatry/services/psc_home.aspx

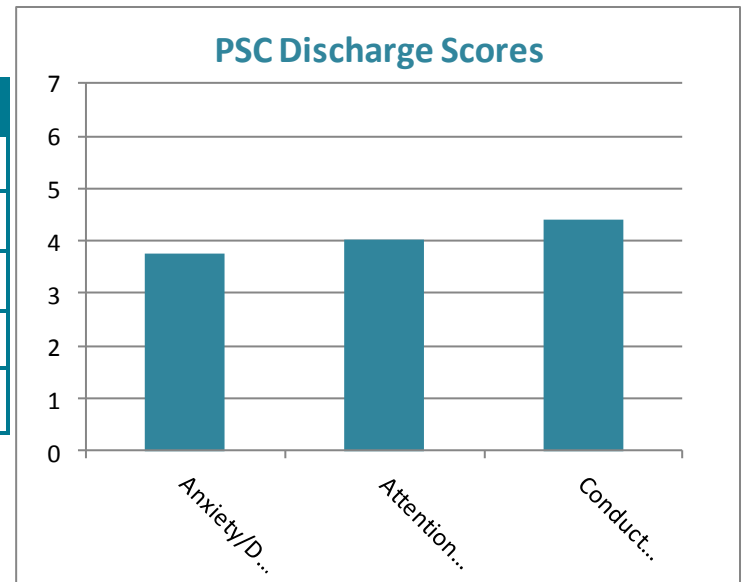
PSC Survey Scores for:

5697 Sovereign Health (Residential/Partial)

| PSC Domains | Admission Scores | |
|--------------------|------------------|------|
| | Mean | SD |
| N=181 | | |
| Anxiety/Depression | 5.56 | 2.47 |
| Attention Problems | 6.64 | 2.22 |
| Conduct Problems | 7.05 | 3.14 |
| Overall Score | 37.83 | 9.32 |



| PSC Domains | Discharge Scores | |
|--------------------|------------------|-------|
| | Mean | SD |
| N=87 | | |
| Anxiety/Depression | 3.76 | 2.60 |
| Attention Problems | 4.04 | 2.44 |
| Conduct Problems | 4.39 | 3.17 |
| Overall Score | 23.68 | 12.78 |



Scale: An overall score of 28 and above is considered to be impaired

For Anxiety/Depression, a score of 5 and above is considered to be impaired

For Attention Problems and Conduct Problems, a score of 7 and above is considered to be impaired

For more information about the PSC, please visit http://www.massgeneral.org/psychiatry/services/psc_home.aspx

BPRS-C Survey Scores for:

5697 Sovereign Health (Residential/Partial)

| BPRC- Domains | Admission Scores, N=146 | | Discharge Scores, N=85 | |
|------------------------|-------------------------|-------|------------------------|-------|
| | Mean | SD | Mean | SD |
| Behavior Problem | 1.77 | 2.92 | 2.04 | 2.25 |
| Depression | 5.81 | 4.26 | 2.17 | 2.34 |
| Thinking Disturbance | 7.99 | 1.91 | 7.92 | 1.00 |
| Psychomotor Excitation | 2.54 | 2.98 | 2.08 | 2.68 |
| Withdrawal | 4.71 | 3.84 | 1.88 | 2.79 |
| Anxiety | 6.92 | 4.74 | 3.36 | 3.05 |
| Organicity | .24 | 1.22 | .17 | 1.32 |
| Overall | 29.79 | 12.65 | 19.61 | 10.61 |

Scale (Severity Level):

6 and above = extremely severe 5 = severe 4 = mod. severe 3 = moderate 2 = mild 1 = very mild 0 = not present

| Demographics | Sovereign Health | | All R/P Sites | |
|---------------------------------|------------------|---------|---------------|---------|
| | Frequency | Percent | Frequency | Percent |
| LoC: Residential/Partial | | | | |
| Age: Under 15 | 63 | 35.2 | 243 | 39.5 |
| Age: 16-18 | 103 | 57.6 | 293 | 47.5 |
| Male | 87 | 48.6 | 241 | 39.1 |
| Female | 85 | 47.5 | 330 | 53.6 |
| Primary DX: Affective Disorders | 40 | 47.1 | 267 | 59.1 |
| Race: White | 119 | 66.5 | 396 | 64.3 |
| Race: Black | 10 | 5.6 | 74 | 12.0 |
| Hispanic/Latino | 27 | 15.1 | 61 | 9.9 |

Please note: Demographics include Admission data only. For categories with multiple options, the two

For more information about the BPRS-C, please visit <http://www.ncbi.nlm.nih.gov/pubmed/11288775>