



STS Intermacs

Quarterly Quality Assurance Report (2021 Q2) - All Patients

HOSPX - DEMO SITE REPORT

Implant and event dates: January 1, 2020 to June 30, 2021

09/30/2021

Prepared by:

Intermacs Data Warehouse and Analytics Center University of Alabama at Birmingham

James K. Kirklin, MD Craig Collum, MPH Ryan S. Cantor, PhD Nick Timkovich, MSHI Maceo Cleggett Kathryn Hollifield, BSN RN

CONFIDENTIAL: This information is only intended for: HOSPX - DEMO SITE REPORT

About This Report

The "Recent" version of the Quality Assurance report focuses on a contemporary cohort of patients. This report includes patients whos intial VAD was implanted within the previous 6 quarters.

The "All Patients" version of the report includes all patients enrolled at your center whose first device was implanted within the report coverage window.

Confidential

This report is intended only for STS Intermacs personnel at the hospital named on the cover of this report. Distribution of the report to other personnel within the hospital is left to the discretion of the STS Intermacs site administrator and physician representative. The STS Intermacs data in this report may not be distributed to anyone outside of your hospital. STS Intermacs has a separate mechanism for the creation and distribution of STS Intermacs aggregate data.

Disclaimer

STS Intermacs has attempted to create a high quality report that is a direct result of the data submitted by the STS Intermacs hospitals. However, STS Intermacs makes no warranties or representations, either expressed or implied, about the content of this report. STS Intermacs further disclaims any and all liability whatsoever in any information, material, or content of this report. Any reference in this report to any specific commercial product, service, manufacturer, or company does not constitute its endorsement or recommendation by STS Intermacs or its employees or agents. None of the material, information or content from this report shall serve as or create a contract between Intermacs and any person or entity accessing and using this report. The recipient of this report agrees to abide by the confidentiality laws of the United States, all other applicable federal and state laws, and applicable policies and guidelines of STS Intermacs. Comments involving information perceived as inaccurate, misleading, or inappropriate should be directed to: Maceo Cleggett with the Intermacs Data Warehouse and Analytics Center at INTERMACS-Reports@uabmc.edu.

This quarterly report includes clinical information from 82 patients receiving implants between January 1, 2020 and June 30, 2021 at HOSPX - DEMO SITE REPORT.

Table of Contents

3

- I. Introduction and Methods
 - A. Purposes of this Report
 - **B. Source of Data and Limitations**
 - C. Statistical Summaries and Benchmarks for Quality Assurance
 - D. Registry Compliance
 - E. Future Reports
 - F. Report Coverage Patient Selection
- II. Statistical Summaries and Benchmarks for Quality Assurance
 - A. Pre-implant Summaries
 - Demographics
 - Clinical Characteristics
 - Concerns and Contraindications
 - Hemodynamics
 - Functional Capacity and Quality of Life
 - Additional Interventions
 - **B. Implant Summaries**
 - C. Post Implant Summary
 - Adverse Event Rates
 - Adverse Event Timing
 - Time to First Device Malfunction and/or Thrombus
 - Time to First Infection
 - Time to First Neurological Dysfunction
 - Hospitals Days
 - 30 Day Readmission Rates
 - Functional Capacity
 - Quality of Life
 - D. Post Implant Risk Adjusted Outcomes
 - E. Post Implant Outcomes
 - Survival
 - Competing Outcomes
- III. Zone Conditions: Hemolysis, Hypertension, and Right Heart Failure
 - Hemolysis
 - Hypertension
 - Right Heart Failure
- IV. Registry Compliance
- V. Glossary

Topics in grey are not part of this report, but will become part of future reports.

I. Introduction and Methods

I.A. Purpose of this Report

As specified by the STS Intermacs Leadership, the primary goals of the registry are:

- Facilitate the refinement of patient selection to maximize outcomes with current and new device options.
- Identify predictors of good outcomes as well as risk factors for adverse events after device implantation.
- Develop consensus best practice guidelines to improve clinical management by reducing short and long term complications of MCSD therapy.
- Guide clinical application and evolution of next generation devices.
- Utilize Registry information to guide improvements in technology, particularly as next generation devices evolve.

Consistent with these goals, we have greatly expanded our site reports to move towards these goals at the hospital and patient level. Specifically, these reports will provide information in the following areas:

- Statistical Summaries and Benchmarks for Quality Assurance
- Patient Level Data
- Registry Compliance
- Data Quality Queries

I.B. Source of Data and Limitations

The data in this report are based on all data entered into the STS Intermacs web-based data application through June 30, 2021. Patient enrollment in STS Intermacs began on June 23, 2006 and retrospective entry of patients with implants after March 1, 2006 was allowed. Your institution may have joined STS Intermacs at a later date and therefore your patient enrollment may have begun at a later date. This report is restricted to your patients who were implanted after your enrollment date and received a primary implant.

5

STS Intermacs is a registry that strives to meet the data quality standards of a prospective clinical trial. STS Intermacs is an on-going registry and therefore data quality efforts will always have an associated lag time.

As you review the data from your hospital that are contained in this report, you may find some information that appears incorrect or inconsistent. Please remember that this report is a direct function of the data that has been entered at your hospital. Therefore, please check any data issues with your online submitted data. The only caveat to this is that any corrections that you have made to your data since June 30, 2021 will not appear in this report. They will appear in the next quarterly report.

A registry that collects data on mechanical circulatory assist devices is necessarily complex. This complexity is the result of the support that the device provides (left ventricular support, right ventricular support, biventricular support, total heart support) and the potential for multiple exchanges within a patient. The major outcomes are just as complex because the standard outcome of death must be considered in the presence of transplantation and explant due to recovery of the heart. We have organized this report so that the pre-implant data represents all prospective device implants of LVAD, BiVAD or TAH. This is based on the organization of the STS Intermacs web-based data entry and will allow a complete picture of the patients and devices entered for your hospital.

I.C. Statistical Summaries and Benchmarks for Quality Assurance

A primary purpose of this report is to provide statistical summaries of patients enrolled at the local hospital and to provide side-by-side comparisons of the hospital data with the data from the entire STS Intermacs Registry. Therefore these reports will provide the data information component of quality assurance where the hospital can compare both their patient mix with a national standard and will also be able to compare their outcomes after device implant with national results.

STS Intermacs is a valuable source of benchmarking according to what is occurring across the country in the MCSD community. This benchmark is not intended to imply good practice or bad practice but rather allows the hospital to compare the characteristics of their implanted patients with the patients from a national database

I.D. Registry Compliance

Each hospital is evaluated for compliance and data entry.

I.E. Future Reports

As previously stated, this report is a major step in greatly expanded quarterly reports from STS Intermacs. We will continue expansion of this report which will be the results of our pre-specified plans and feedback from the MCSD community.

Some of our specific plans include statistical summaries according to primary and secondary implants and also according to adult and pediatric patients. We also plan to add a section that summarizes the results of the initial screening log. This will include a frequency of the reasons for failing to obtain informed consent and a comparison to the national experience.

I.F. Report Coverage - Inclusion / Exclusion Criteria

Starting 2020 Q4 the INTERMACS reports have been restructured to provide information from ALL patients enrolled in INTERMACS. To organize the information a series of reports is provided to compare patient characteristics and outcomes of different kinds of patients at your site with the aggregate INTERMACS cohort. The following report versions are created:

- Cumulative All Patients
- Cumulative Primary Patients
- Cumulative Prior VAD Patients
- Recent All Patients
- Recent Primary Patients
- Recent Prior VAD Patients

The CUMULATIVE report versions includes patients enrolled throughout the entire registry and is intended to provide a comprehensive set of long term outcomes. The RECENT report is limited to patients enrolled within the last rolling 6 quarters and provides information on contemporary patients.

The versions of the reports generated for ALL PATIENTS include all patients implanted within the report coverage dates. The PRIMARY PATIENTS versions are limited to patients that do not have a history of prior VAD reported on the pre-implant form of their first INTERMACS enrolled implant. The PRIOR VAD PATEINTS reports are limited to patients in which a prior VAD is indicated on their first enrolled pre-implant form.

There are a few administrative scenarios in which patients are excluded from the CUMULATIVE – ALL PATIENTS Report in order facilitate accurate comparisons to the aggregate INTERMACS data. The following patients are removed from all analyses:

- Retrospective Patients the patient's initial implant date is prior to your site's activation in INTERMACS
- Implant, Pre-Implant, or Patient form not validated patients missing a fully submitted implant, pre-implant, or patient form are not included because key data elements used in the reporting may be missing.
- Patient Implant Date Outside of Report Coverage Patients implanted prior to the start of data collection June 23, 2006 or after the report coverage stop date December 31, 2020 are not include in the report.
- Pediatric Patients (Age <19 years at implant

Patients that meet these exclusion criteria are listed in "Exhibit 49: Patients Implanted at your Center but Excluded from the Cumulative - All Patient Report

The accompanying Data Quality Report lists all patients enrolled in STS Intermacs at your site.

Transfer patients and their subsequent experience are analyzed in the report for the site that implanted the patients first device enrolled in INTERMACS.

II. Statistical Summaries and Benchmarks for Quality Assurance

The first part of this section contains summary statistics of patients implanted (and enrolled in STS Intermacs) at your hospital. As a benchmark, the corresponding summary statistics for the entire Intermacs Registry are also provided. For explanations and/or definitions of the data elements go to the STS Intermacs User's Guide www.intermacs.org and select 'Intermacs Appendices', Appendix M/User's Guide'.

The summary statistics for continuous variables includes N (the number of patients with data), MEAN (the average value), STD (standard deviation), MIN (the smallest value), and MAX (the largest value).

SITE: HOSPX - DEMO SITE REPORT

Exhibit 1: Device Counts for Patients in this Report

The following tables list the number of implants received by patients meeting the inclusion criteria for this report. Subsequent exhibits are based on a patient level analysis. Characteristics are reported at the time of first implant. Unless noted otherwise, outcomes and follow-up include all information reported to INTERMACS for the patient.

NOTE: For most patients a second device indicates a device exchange. However, this count also includes the patients who receive a subsequent RVAD.

GROUP=HOSPX-9999

| | | | IMPLANT DA | ATE PERIOD | | | |
|-----------------------|---------|---------|------------|------------|---------|---------|-------|
| Device | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
| | n | n | n | n | n | n | n |
| Primary Device | 23 | 10 | 10 | 14 | 13 | 12 | 82 |
| 2nd Device | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| 3rd Device | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4th Device | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5th Device | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GROUP=STS Intermacs

| | | | IMPLANT DA | ATE PERIOD | | | |
|-----------------------|---------|---------|------------|------------|---------|---------|-------|
| Device | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
| | n | n | n | n | n | n | n |
| Primary Device | 834 | 614 | 759 | 627 | 669 | 614 | 4117 |
| 2nd Device | 40 | 25 | 22 | 18 | 27 | 21 | 153 |
| 3rd Device | 4 | 1 | 1 | 3 | 3 | 0 | 12 |
| 4th Device | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5th Device | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Demographics

Exhibit 2: Age Group

The following tables summarize age groups at your site and STS Intermacs over time.

| ĺ | | | | | | | HOSP | X-9999 | | | | | | |
|----------------|------|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|-----|---------|
| AGE GROUP (yr) | 2020 | Q1 | 2020 | 0 Q2 | 202 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 19-39 | 2 | 8.6 % | 2 | 20.0 % | 1 | 10.0 % | 2 | 14.2 % | 2 | 15.3 % | 1 | 8.3 % | 10 | 12.1 % |
| 40-59 | 8 | 34.7 % | 3 | 30.0 % | 4 | 40.0 % | 6 | 42.8 % | 7 | 53.8 % | 6 | 50.0 % | 34 | 41.4 % |
| 60-79 | 13 | 56.5 % | 5 | 50.0 % | 5 | 50.0 % | 6 | 42.8 % | 4 | 30.7 % | 5 | 41.6 % | 38 | 46.3 % |
| 80+ | | | | | | | | | | | | | | |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|----------------|-----|---------|------|---------|------|---------|---------|---------|-----|---------|-----|---------|------|---------|
| AGE GROUP (yr) | 202 | 0 Q1 | 2020 |) Q2 | 2020 | Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 19-39 | 90 | 10.7 % | 74 | 12.0 % | 105 | 13.8 % | 76 | 12.1 % | 85 | 12.7 % | 78 | 12.7 % | 508 | 12.3 % |
| 40-59 | 334 | 40.0 % | 258 | 42.0 % | 292 | 38.4 % | 244 | 38.9 % | 271 | 40.5 % | 238 | 38.7 % | 1637 | 39.7 % |
| 60-79 | 405 | 48.5 % | 281 | 45.7 % | 361 | 47.5 % | 303 | 48.3 % | 309 | 46.1 % | 296 | 48.2 % | 1955 | 47.4 % |
| 80+ | 5 | 0.5 % | 1 | 0.1 % | 1 | 0.1 % | 4 | 0.6 % | 4 | 0.5 % | 2 | 0.3 % | 17 | 0.4 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Demographics

Exhibit 3: Gender

The following tables summarize gender at your site and STS Intermacs over time.

| | | | | | | | HOSP | X-9999 | | | | | | |
|-------------|------|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|-----|---------|
| GENDER | 2020 | 0 Q1 | 2020 |) Q2 | 202 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Female | 3 | 13.0 % | 1 | 10.0 % | 2 | 20.0 % | 5 | 35.7 % | 2 | 15.3 % | 2 | 16.6 % | 15 | 18.2 % |
| Male | 20 | 86.9 % | 9 | 90.0 % | 8 | 80.0 % | 9 | 64.2 % | 11 | 84.6 % | 10 | 83.3 % | 67 | 81.7 % |
| Unspecified | - | - | | | | | | - | | | | | | - |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|-------------|------|---------|------|---------|------|---------|---------|---------|-----|---------|-----|---------|------|---------|
| GENDER | 2020 | Q1 | 2020 |) Q2 | 2020 | Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Female | 187 | 22.4 % | 147 | 23.9 % | 173 | 22.7 % | 137 | 21.8 % | 161 | 24.0 % | 162 | 26.3 % | 967 | 23.4 % |
| Male | 647 | 77.5 % | 467 | 76.0 % | 585 | 77.0 % | 490 | 78.1 % | 507 | 75.7 % | 452 | 73.6 % | 3148 | 76.4 % |
| Unspecified | | | | | 1 | 0.1 % | | | 1 | 0.1 % | | | 2 | 0.0 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Demographics

Exhibit 4: Race

The following tables summarize race at your site and STS Intermacs over time. The coordinator may check all that apply.

| | | | | | | | HOSP | X-9999 | | | | | | |
|-----------------------------|------|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|----|---------|
| RACE | 2020 | Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | 202 | I Q2 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| African American | 10 | 43.4 % | 4 | 40.0 % | 5 | 50.0 % | 5 | 35.7 % | 3 | 23.0 % | 7 | 58.3 % | 34 | 41.4 % |
| Other, Unknown, Undisclosed | 5 | 21.7 % | 1 | 10.0 % | 3 | 30.0 % | 4 | 28.5 % | 6 | 46.1 % | | | 19 | 23.1 % |
| White | 8 | 34.7 % | 5 | 50.0 % | 2 | 20.0 % | 5 | 35.7 % | 4 | 30.7 % | 5 | 41.6 % | 29 | 35.3 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|-----------------------------|-----|---------|------|---------|------|---------|---------|---------|-----|---------|-----|---------|------|---------|
| RACE | 202 | 0 Q1 | 2020 |) Q2 | 2020 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| African American | 252 | 30.2 % | 174 | 28.3 % | 240 | 31.6 % | 197 | 31.4 % | 197 | 29.4 % | 186 | 30.2 % | 1246 | 30.2 % |
| Other, Unknown, Undisclosed | 72 | 8.6 % | 57 | 9.2 % | 69 | 9.0 % | 72 | 11.4 % | 84 | 12.5 % | 72 | 11.7 % | 426 | 10.3 % |
| White | 510 | 61.1 % | 383 | 62.3 % | 450 | 59.2 % | 358 | 57.0 % | 388 | 57.9 % | 356 | 57.9 % | 2445 | 59.3 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Demographics

Exhibit 5: Hispanic Ethnicity

The following tables summarize Hispanic ethnicity at your site and STS Intermacs over time.

| | | | | | | | HOSP | X-9999 | | | | | | |
|--------------------|------|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|----|---------|
| HISPANIC ETHNICITY | 2020 | Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Non-Hispanic | 18 | 78.2 % | 10 | 100.0 % | 5 | 50.0 % | 10 | 71.4 % | 7 | 53.8 % | 12 | 100.0 % | 62 | 75.6 % |
| Unknown | 4 | 17.3 % | | | 2 | 20.0 % | 3 | 21.4 % | 2 | 15.3 % | | | 11 | 13.4 % |
| Hispanic | 1 | 4.3 % | | | 3 | 30.0 % | 1 | 7.1 % | 4 | 30.7 % | | | 9 | 10.9 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|--------------------|------|---------|------|---------|------|---------|---------|---------|------|---------|-----|---------|------|---------|
| HISPANIC ETHNICITY | 2020 | Q1 | 2020 | Q2 | 2020 | Q3 | 202 | 0 Q4 | 2021 | Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Non-Hispanic | 753 | 90.2 % | 558 | 90.8 % | 684 | 90.1 % | 551 | 87.8 % | 593 | 88.6 % | 548 | 89.2 % | 3687 | 89.5 % |
| Unknown | 32 | 3.8 % | 20 | 3.2 % | 24 | 3.1 % | 31 | 4.9 % | 16 | 2.3 % | 22 | 3.5 % | 145 | 3.5 % |
| Hispanic | 49 | 5.8 % | 36 | 5.8 % | 51 | 6.7 % | 45 | 7.1 % | 60 | 8.9 % | 44 | 7.1 % | 285 | 6.9 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 6. BSA

The following tables summarize body surface area (BSA) at your site and STS Intermacs over time. BSA is a variable that is calculated based on the patient's height and weight. The Boyd calculation is used in this analysis.

GROUP=HOSPX-9999

| IPLANT SA | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|-------|
| N | 23 | 10 | 10 | 14 | 13 | 12 | 82 |
| Mean | 2.10 | 2.14 | 2.02 | 2.00 | 1.93 | 2.06 | 2.05 |
| Std | 0.37 | 0.34 | 0.30 | 0.33 | 0.34 | 0.28 | 0.33 |
| Min | 1.28 | 1.75 | 1.57 | 1.62 | 1.31 | 1.48 | 1.28 |
| Max | 2.92 | 2.93 | 2.48 | 2.73 | 2.60 | 2.49 | 2.93 |

GROUP=STS Intermacs

| IPLANT SA | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|------------------|---------|---------|---------|---------|---------|---------|-------|
| N | 833 | 611 | 758 | 626 | 669 | 614 | 4111 |
| Mean | 2.10 | 2.08 | 2.10 | 2.09 | 2.08 | 2.12 | 2.09 |
| Std | 0.32 | 0.32 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 |
| Min | 0.96 | 1.03 | 0.50 | 0.77 | 0.98 | 1.16 | 0.50 |
| Max | 3.33 | 3.31 | 3.23 | 3.39 | 2.95 | 3.38 | 3.39 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 7. Device Strategy

The following tables summarize pre-implant device strategy at your site and STS Intermacs over time.

| | | | | | | | HOSP | X-9999 | | | | | | |
|-----------------------------|------|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|-----|---------|
| PRE-IMPLANT DEVICE STRATEGY | 2020 | Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| BTT - Listed | 1 | 4.3 % | | | | | | | 1 | 7.6 % | 1 | 8.3 % | 3 | 3.6 % |
| BTT - Likely | 2 | 8.6 % | | | 1 | 10.0 % | 2 | 14.2 % | | | | | 5 | 6.0 % |
| BTT - Moderate | 1 | 4.3 % | 3 | 30.0 % | | | 2 | 14.2 % | | | | | 6 | 7.3 % |
| BTT - Unlikely | | | 1 | 10.0 % | | | | | | | | | 1 | 1.2 % |
| Destination Therapy | 19 | 82.6 % | 6 | 60.0 % | 9 | 90.0 % | 10 | 71.4 % | 11 | 84.6 % | 11 | 91.6 % | 66 | 80.4 % |
| Bridge to Recovery | - | | | | | | | | 1 | 7.6 % | | | 1 | 1.2 % |
| Rescue Therapy | - | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|-----------------------------|------|---------|------|---------|-----|---------|---------|---------|-----|---------|-----|---------|------|---------|
| PRE-IMPLANT DEVICE STRATEGY | 2020 | 0 Q1 | 2020 | Q2 | 202 | Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| BTT - Listed | 49 | 5.8 % | 45 | 7.3 % | 51 | 6.7 % | 36 | 5.7 % | 41 | 6.1 % | 32 | 5.2 % | 254 | 6.1 % |
| BTT - Likely | 49 | 5.8 % | 39 | 6.3 % | 45 | 5.9 % | 28 | 4.4 % | 31 | 4.6 % | 24 | 3.9 % | 216 | 5.2 % |
| BTT - Moderate | 62 | 7.4 % | 48 | 7.8 % | 49 | 6.4 % | 61 | 9.7 % | 49 | 7.3 % | 45 | 7.3 % | 314 | 7.6 % |
| BTT - Unlikely | 20 | 2.3 % | 13 | 2.1 % | 12 | 1.5 % | 11 | 1.7 % | 12 | 1.7 % | 7 | 1.1 % | 75 | 1.8 % |
| Destination Therapy | 635 | 76.1 % | 454 | 73.9 % | 587 | 77.3 % | 480 | 76.5 % | 523 | 78.1 % | 481 | 78.3 % | 3160 | 76.7 % |
| Bridge to Recovery | 6 | 0.7 % | 2 | 0.3 % | 2 | 0.2 % | | | 3 | 0.4 % | 1 | 0.1 % | 14 | 0.3 % |
| Rescue Therapy | 1 | 0.1 % | 2 | 0.3 % | 2 | 0.2 % | 2 | 0.3 % | 3 | 0.4 % | 4 | 0.6 % | 14 | 0.3 % |
| Other | 12 | 1.4 % | 11 | 1.7 % | 11 | 1.4 % | 9 | 1.4 % | 7 | 1.0 % | 20 | 3.2 % | 70 | 1.7 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 8. Patient Profile Levels

The following tables summarize pre-implant STS Intermacs patient profile levels at your site and STS Intermacs over time.

| | | | | | | | HOSP | X-9999 | | | | | | |
|---------------------------------|------|---------|-----|---------|-----|---------|------|---------|-----|---------|-----|---------|-----|---------|
| PRE-IMPLANT PATIENT PROFILE | 2020 | Q1 | 202 | 0 Q2 | 202 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 1 Critical Cardiogenic Shock | 1 | 4.3 % | 1 | 10.0 % | | | 1 | 7.1 % | | | | | 3 | 3.6 % |
| 2 Progressive Decline | 3 | 13.0 % | 3 | 30.0 % | 4 | 40.0 % | 6 | 42.8 % | 4 | 30.7 % | 3 | 25.0 % | 23 | 28.0 % |
| 3 Stable but Inotrope Dependent | 18 | 78.2 % | 5 | 50.0 % | 5 | 50.0 % | 6 | 42.8 % | 8 | 61.5 % | 7 | 58.3 % | 49 | 59.7 % |
| 4 Resting Symptoms | 1 | 4.3 % | 1 | 10.0 % | | | | | 1 | 7.6 % | 2 | 16.6 % | 5 | 6.0 % |
| 5 Exertion Intolerant | | | | | | | | | | | | | | |
| 6 Exertion Limited | | | | | | | | | | | | | | |
| 7 Advanced NYHA Class 3 | | | | | 1 | 10.0 % | 1 | 7.1 % | | | | | 2 | 2.4 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | | | | | | STS Int | ermacs | | | | | | |
|---------------------------------|------|---------|------|---------|------|---------|---------|---------|-----|---------|------|---------|------|---------|
| PRE-IMPLANT PATIENT PROFILE | 2020 | Q1 | 2020 |) Q2 | 2020 | Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 2021 | Q2 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 1 Critical Cardiogenic Shock | 132 | 15.8 % | 116 | 18.8 % | 120 | 15.8 % | 88 | 14.0 % | 117 | 17.4 % | 101 | 16.4 % | 674 | 16.3 % |
| 2 Progressive Decline | 271 | 32.4 % | 208 | 33.8 % | 239 | 31.4 % | 202 | 32.2 % | 226 | 33.7 % | 189 | 30.7 % | 1335 | 32.4 % |
| 3 Stable but Inotrope Dependent | 341 | 40.8 % | 217 | 35.3 % | 310 | 40.8 % | 237 | 37.7 % | 226 | 33.7 % | 235 | 38.2 % | 1566 | 38.0 % |
| 4 Resting Symptoms | 79 | 9.4 % | 62 | 10.0 % | 78 | 10.2 % | 86 | 13.7 % | 82 | 12.2 % | 73 | 11.8 % | 460 | 11.1 % |
| 5 Exertion Intolerant | 4 | 0.4 % | 6 | 0.9 % | 9 | 1.1 % | 8 | 1.2 % | 9 | 1.3 % | 9 | 1.4 % | 45 | 1.0 % |
| 6 Exertion Limited | 3 | 0.3 % | 1 | 0.1 % | 1 | 0.1 % | 4 | 0.6 % | 1 | 0.1 % | 1 | 0.1 % | 11 | 0.2 % |
| 7 Advanced NYHA Class 3 | 4 | 0.4 % | 4 | 0.6 % | 2 | 0.2 % | 2 | 0.3 % | 8 | 1.1 % | 6 | 0.9 % | 26 | 0.6 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9a. Medications - IV Inotropes Within 48 Hours of Implant

The following tables summarize IV inotrope therapy within 48 hours prior to implant at your site and STS Intermacs over time.

| | | HOSPX-9999 | | | | | | | | | | | | | | | | |
|----------------|----|------------|-------|----|---------|-------|---|---------|--------|----|---------|-------|----|---------|-------|----|---------|--------|
| IV INOTROPES | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Dobutamine | 19 | 12 | 63.2% | 10 | 4 | 40.0% | 8 | 3 | 37.5% | 12 | 3 | 25.0% | 11 | 6 | 54.5% | 10 | 5 | 50.0% |
| Dopamine | 19 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 11 | 0 | 0.0% | 10 | 0 | 0.0% |
| Milrinone | 19 | 10 | 52.6% | 10 | 9 | 90.0% | 8 | 8 | 100.0% | 12 | 9 | 75.0% | 11 | 7 | 63.6% | 10 | 10 | 100.0% |
| Levosimendan | 19 | 1 | 5.3% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 11 | 0 | 0.0% | 10 | 0 | 0.0% |
| Epinephrine | 19 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 2 | 16.7% | 11 | 1 | 9.1% | 10 | 1 | 10.0% |
| Norepinephrine | 19 | 2 | 10.5% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 1 | 8.3% | 11 | 0 | 0.0% | 10 | 1 | 10.0% |
| Isoproterenol | 19 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 11 | 0 | 0.0% | 10 | 0 | 0.0% |
| Other Specify | 19 | 0 | 0.0% | 10 | 1 | 10.0% | 8 | 0 | 0.0% | 12 | 1 | 8.3% | 11 | 0 | 0.0% | 10 | 0 | 0.0% |
| Unknown | 19 | 2 | 10.5% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 11 | 0 | 0.0% | 10 | 0 | 0.0% |

| | | | | | | | | | STS Int | ermacs | | | | | | | | |
|----------------|-----|---------|-------|-----|---------|-------|-----|---------|---------|--------|---------|-------|-----|---------|-------|-----|---------|-------|
| IV INOTROPES | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Dobutamine | 706 | 260 | 36.8% | 521 | 195 | 37.4% | 642 | 227 | 35.4% | 499 | 204 | 40.9% | 541 | 214 | 39.6% | 496 | 181 | 36.5% |
| Dopamine | 706 | 28 | 4.0% | 521 | 20 | 3.8% | 642 | 18 | 2.8% | 499 | 22 | 4.4% | 541 | 17 | 3.1% | 496 | 30 | 6.0% |
| Milrinone | 706 | 534 | 75.6% | 521 | 397 | 76.2% | 642 | 493 | 76.8% | 499 | 369 | 73.9% | 541 | 401 | 74.1% | 496 | 365 | 73.6% |
| Levosimendan | 706 | 1 | 0.1% | 521 | 0 | 0.0% | 642 | 0 | 0.0% | 499 | 1 | 0.2% | 541 | 2 | 0.4% | 496 | 0 | 0.0% |
| Epinephrine | 706 | 71 | 10.1% | 521 | 46 | 8.8% | 642 | 42 | 6.5% | 499 | 47 | 9.4% | 541 | 61 | 11.3% | 496 | 52 | 10.5% |
| Norepinephrine | 706 | 72 | 10.2% | 521 | 38 | 7.3% | 642 | 44 | 6.9% | 499 | 26 | 5.2% | 541 | 49 | 9.1% | 496 | 43 | 8.7% |
| Isoproterenol | 706 | 2 | 0.3% | 521 | 0 | 0.0% | 642 | 0 | 0.0% | 499 | 0 | 0.0% | 541 | 0 | 0.0% | 496 | 0 | 0.0% |
| Other Specify | 706 | 9 | 1.3% | 521 | 4 | 0.8% | 642 | 4 | 0.6% | 499 | 2 | 0.4% | 541 | 2 | 0.4% | 496 | 5 | 1.0% |
| Unknown | 706 | 2 | 0.3% | 521 | 0 | 0.0% | 642 | 0 | 0.0% | 499 | 1 | 0.2% | 541 | 1 | 0.2% | 496 | 3 | 0.6% |

| IV INOTROPES | H | OSPX-999 | 99 | STS Intermacs | | | | | |
|----------------|----|----------|-------|---------------|------|-------|--|--|--|
| IV INOTROPES | N | Yes | % | N | Yes | % | | | |
| Dobutamine | 70 | 33 | 47.1% | 3405 | 1281 | 37.6% | | | |
| Dopamine | 70 | 0 | 0.0% | 3405 | 135 | 4.0% | | | |
| Milrinone | 70 | 53 | 75.7% | 3405 | 2559 | 75.2% | | | |
| Levosimendan | 70 | 1 | 1.4% | 3405 | 4 | 0.1% | | | |
| Epinephrine | 70 | 4 | 5.7% | 3405 | 319 | 9.4% | | | |
| Norepinephrine | 70 | 4 | 5.7% | 3405 | 272 | 8.0% | | | |
| Isoproterenol | 70 | 0 | 0.0% | 3405 | 2 | 0.1% | | | |

(Continued)

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9a. Medications - IV Inotropes Within 48 Hours of Implant

| IV INOTROPES | H | OSPX-999 | 99 | ST | S Interma | ics |
|---------------|----|----------|------|------|-----------|------|
| IV INCTROPES | N | Yes | % | N | Yes | % |
| Other Specify | 70 | 2 | 2.9% | 3405 | 26 | 0.8% |
| Unknown | 70 | 2 | 2.9% | 3405 | 7 | 0.2% |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9b. Medications - History and Current Use

The following tables compare the history and current use of specific medications prior to implant at your site and STS Intermacs.

| ACE INHIBITORS | HOSP | X-9999 | STS Int | ermacs |
|---------------------------------------|------|--------|---------|--------|
| ACE INHIBITORS | N | % | N | % |
| Currently using | 6 | 10.3 | 245 | 8.0 |
| Known previous use (within past year) | 11 | 19.0 | 639 | 20.7 |
| No | 24 | 41.4 | 1876 | 60.9 |
| Unknown | 17 | 29.3 | 321 | 10.4 |
| TOTAL | 58 | 100 | 3081 | 100 |

| ALDOSTERONE ANTAGONIST | HOSP | X-9999 | STS Int | ermacs |
|---------------------------------------|------|--------|---------|--------|
| ANTAGONIST | N | % | N | % |
| Currently using | 20 | 34.5 | 1039 | 33.7 |
| Known previous use (within past year) | 19 | 32.8 | 743 | 24.1 |
| No | 10 | 17.2 | 1099 | 35.7 |
| Unknown | 9 | 15.5 | 200 | 6.5 |
| TOTAL | 58 | 100 | 3081 | 100 |

| ALLOPURINOL* | HOSP | X-9999 | STS Int | ermacs |
|---------------------------------------|------|--------|---------|--------|
| ALLOPURINOL | N | % | N | % |
| Currently using | 8 | 13.8 | 362 | 11.7 |
| Known previous use (within past year) | 3 | 5.2 | 160 | 5.2 |
| No | 28 | 48.3 | 2244 | 72.8 |
| Unknown | 19 | 32.8 | 315 | 10.2 |
| TOTAL | 58 | 100 | 3081 | 100 |

| AMIODARONE | HOSP | X-9999 | STS Int | ermacs |
|---------------------------------------|------|--------|---------|--------|
| AMIODARONE | N | % | N | % |
| Currently using | 18 | 31.0 | 1179 | 38.3 |
| Known previous use (within past year) | 7 | 12.1 | 274 | 8.9 |
| No | 24 | 41.4 | 1431 | 46.4 |
| Unknown | 9 | 15.5 | 197 | 6.4 |
| TOTAL | 58 | 100 | 3081 | 100 |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9b. Medications - History and Current Use

| ANGIOTENSIN RECEPTOR BLOCKER | HOSP | X-9999 | STS Intermacs | | |
|---------------------------------------|------|--------|---------------|------|--|
| RECEPTOR BLOCKER | N | % | N | % | |
| Currently using | 3 | 5.2 | 418 | 13.6 | |
| Known previous use (within past year) | 15 | 25.9 | 799 | 25.9 | |
| No | 23 | 39.7 | 1585 | 51.4 | |
| Unknown | 17 | 29.3 | 279 | 9.1 | |
| TOTAL | 58 | 100 | 3081 | 100 | |

| ANTIPLATELET THERAPY DRUG | HOSP | X-9999 | ermacs | |
|---------------------------------------|------|--------|--------|------|
| THERAPT DRUG | N | % | N | % |
| Currently using | 29 | 50.0 | 1680 | 54.5 |
| Known previous use (within past year) | 13 | 22.4 | 524 | 17.0 |
| No | 11 | 19.0 | 740 | 24.0 |
| Unknown | 5 | 8.6 | 137 | 4.4 |
| TOTAL | 58 | 100 | 3081 | 100 |

| BETA BLOCKERS | HOSP | X-9999 | STS Intermacs | | |
|---------------------------------------|------|--------|---------------|------|--|
| BETA BLUCKERS | N % | | N | % | |
| Currently using | 19 | 32.8 | 1040 | 33.8 | |
| Known previous use (within past year) | 24 | 41.4 | 1227 | 39.8 | |
| No | 10 | 17.2 | 672 | 21.8 | |
| Unknown | 5 | 8.6 | 142 | 4.6 | |
| TOTAL | 58 | 100 | 3081 | 100 | |

| WARFARIN (COUMADIN) | HOSP | X-9999 | STS Intermacs | |
|---------------------------------------|------|--------|---------------|------|
| (COUMADIN) | N | % | N | % |
| Currently using | 2 | 3.4 | 258 | 8.4 |
| Known previous use (within past year) | 4 | 6.9 | 373 | 12.1 |
| No | 40 | 69.0 | 2179 | 70.7 |
| Unknown | 12 | 20.7 | 271 | 8.8 |
| TOTAL | 58 | 100 | 3081 | 100 |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9b. Medications - History and Current Use

| NESIRITIDE | HOSP | X-9999 | ermacs | |
|------------|------|--------|--------|------|
| NESIKITIDE | N | % | N | % |
| No | 40 | 90.9 | 2241 | 93.7 |
| Unknown | 4 | 9.1 | 147 | 6.1 |
| Yes | | | 4 | 0.2 |
| TOTAL | 44 | 100 | 2392 | 100 |

| NITRIC OXIDE | HOSP | X-9999 | ermacs | |
|--------------|------|--------|--------|------|
| NITRIC OXIDE | N % | | N % | |
| No | 48 | 82.8 | 2714 | 88.1 |
| Unknown | 7 | 12.1 | 179 | 5.8 |
| Yes | 3 | 5.2 | 188 | 6.1 |
| TOTAL | 58 | 100 | 3081 | 100 |

| LOOP DIURETICS | HOSP | X-9999 | STS Int | ntermacs | |
|----------------|------|--------|---------|----------|--|
| LOOP DIORETICS | N | % | N | % | |
| No | 7 | 12.1 | 467 | 15.2 | |
| Unknown | 7 | 12.1 | 44 | 1.4 | |
| Yes | 44 | 75.9 | 2570 | 83.4 | |
| TOTAL | 58 | 100 | 3081 | 100 | |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 9b. Medications - History and Current Use

| PRE-IMPLANT LOOP DIURETIC TYPE+ | | HOSPX-9999 | | | STS Intermacs | |
|--|----|------------|--------|------|---------------|--------|
| TTPE | N | Yes | % | N | Yes | % |
| Furosemide | 42 | 22 | 52.38% | 2516 | 1195 | 47.50% |
| Torsemide | 42 | 14 | 33.33% | 2516 | 722 | 28.70% |
| Bumetanide | 42 | 6 | 14.29% | 2516 | 632 | 25.12% |
| Other | 42 | 0 | 0.00% | 2516 | 5 | 0.20% |

| CARDIAC RESYNCHRONIZATION THERAPY (CRT)* | HOSPX-9999 | | STS Intermacs | |
|--|------------|------|---------------|------|
| INERAPT (CRT) | N | % | N | % |
| No | 20 | 45.5 | 1611 | 67.7 |
| Unknown | 7 | 15.9 | 111 | 4.7 |
| Yes | 17 | 38.6 | 657 | 27.6 |
| TOTAL | 44 | 100 | 2379 | 100 |

| METALOZONE / THIAZIDE* | HOSP | X-9999 | STS Intermacs | | |
|---------------------------|------|--------|---------------|------|--|
| INIAZIDE | N | % | N | % | |
| No | 36 | 62.1 | 2519 | 81.8 | |
| Unknown | 19 | 32.8 | 152 | 4.9 | |
| Yes | 3 | 5.2 | 410 | 13.3 | |
| TOTAL | 58 | 100 | 3081 | 100 | |

| METALOZONE / THIAZIDE - FREQUENCY* | HOSPX-9999 | | STS Intermacs | | |
|--|------------|------|---------------|------|--|
| PREQUENCT | N | % | N | % | |
| Regular | 2 | 66.7 | 174 | 42.4 | |
| Intermittent | 1 | 33.3 | 236 | 57.6 | |
| TOTAL | 3 | 100 | 410 | 100 | |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 10. Laboratories

The following tables summarize pre-implant laboratories at your site and STS Intermacs.

| | | HOSPX-9999 | STS Intermacs |
|--------------------------------------|------|------------|---------------|
| Sodium (mEq/L) | N | 58 | 3079 |
| ` ' ' | Mean | 133.67 | 135.08 |
| | Std | 4.96 | 4.52 |
| | Min | 122.00 | 116.00 |
| | Max | 142.00 | 156.00 |
| Potassium (mEq/L) | N | 58 | 3079 |
| | Mean | 4.16 | 4.07 |
| | Std | 0.54 | 0.44 |
| | Min | 3.00 | 2.50 |
| | Max | 5.50 | 6.50 |
| BUN (mg/dL) | N | 58 | 3067 |
| | Mean | 37.12 | 28.82 |
| | Std | 42.42 | 17.20 |
| | Min | 10.00 | 1.30 |
| | Max | 336.00 | 336.00 |
| Creatinine (mg/dL) | N | 58 | 3079 |
| | Mean | 1.61 | 1.37 |
| | Std | 1.34 | 0.71 |
| | Min | 0.70 | 0.30 |
| | Max | 9.00 | 14.82 |
| Alanine Aminotransferase/ALT (u/L) | N | 56 | 3030 |
| | Mean | 38.13 | 49.39 |
| | Std | 30.01 | 98.62 |
| | Min | 8.00 | 3.00 |
| | Max | 139.00 | 1700.00 |
| Aspartate Aminotransferase/AST (u/L) | N | 56 | 3028 |
| | Mean | 39.11 | 43.94 |
| | Std | 43.00 | 102.77 |
| | Min | 11.00 | 2.00 |
| | Max | 273.00 | 3996.00 |
| LDH (µkat/L), (U/L) | N | 42 | 2179 |
| | Mean | 568.19 | 395.83 |
| | Std | 660.68 | 389.61 |
| | Min | 218.00 | 10.00 |
| | Max | 3892.00 | 6234.00 |
| All | N | 82 | 4117 |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 10. Laboratories

| PRE-IMPLANT LABORATORII | ES | HOSPX-9999 | STS Intermacs |
|---------------------------------------|------|------------|---------------|
| Total Bilirubin (mg/dL) | N | 56 | 3034 |
| | Mean | 1.42 | 1.25 |
| | Std | 1.45 | 1.25 |
| | Min | 0.20 | 0.10 |
| | Max | 8.00 | 19.70 |
| Albumin (g/dL) | N | 56 | 3020 |
| | Mean | 3.58 | 3.46 |
| | Std | 0.41 | 0.60 |
| | Min | 2.70 | 0.20 |
| | Max | 4.70 | 7.50 |
| Pre-albumin (mg/dL) | N | 45 | 1829 |
| | Mean | 18.03 | 18.20 |
| | Std | 7.58 | 7.04 |
| | Min | 7.00 | 3.00 |
| | Max | 41.90 | 49.60 |
| Total Cholesterol (mg/dL) | N | 49 | 2017 |
| | Mean | 129.86 | 126.47 |
| | Std | 53.21 | 40.33 |
| | Min | 60.00 | 50.00 |
| | Max | 410.00 | 410.00 |
| Brain Natriuretic Peptide (pg/mL) | N | 8 | 1351 |
| | Mean | 2133.00 | 1356.84 |
| | Std | 1538.58 | 1237.17 |
| | Min | 287.00 | 1.00 |
| | Max | 4253.00 | 7500.00 |
| Pro Brain Natriuretic Peptide (pg/mL) | N | 42 | 1322 |
| | Mean | 5495.10 | 6677.44 |
| | Std | 4645.47 | 7700.28 |
| | Min | 100.00 | 68.00 |
| | Max | 18430.00 | 60000.00 |
| White Blood Cell Count (x10/μL) | N | 58 | 3078 |
| | Mean | 9.20 | 8.70 |
| | Std | 3.24 | 3.93 |
| | Min | 4.16 | 2.30 |
| | Max | 18.43 | 67.40 |
| Hemoglobin (g/dL) | N | 58 | 3077 |
| | Mean | 10.60 | 10.99 |
| | Std | 2.52 | 2.20 |
| | Min | 4.26 | 0.77 |
| | Max | 15.60 | 18.80 |
| All | N | 82 | 4117 |

II.A. Pre-Implant Summaries - Clinical Characteristics

Exhibit 10. Laboratories

| PRE-IMPLANT LABOR | ATORIES | HOSPX-9999 | STS Intermacs |
|------------------------|---------|------------|---------------|
| Platelets (x10/µL) | N | 58 | 3075 |
| | Mean | 222.59 | 197.70 |
| | Std | 88.49 | 84.60 |
| | Min | 47.00 | 4.00 |
| | Max | 505.00 | 800.00 |
| INR | N | 57 | 2946 |
| | Mean | 1.28 | 1.25 |
| | Std | 0.35 | 0.29 |
| | Min | 0.99 | 0.79 |
| | Max | 2.60 | 4.50 |
| Sensitivity CRP (mg/L) | N | 13 | 1086 |
| | Mean | 58.27 | 24.49 |
| | Std | 91.11 | 49.70 |
| | Min | 1.20 | 0.02 |
| | Max | 300.00 | 697.00 |
| All | N | 82 | 4117 |

| PRE-IMPLANT LUPUS ANTICOAGULANT STATUS* | HOSP | X-9999 | STS Int | ermacs |
|---|------|--------|---------|--------|
| SIAIUS | N | % | N | % |
| Negative | | | 375 | 12.2 |
| Positive | | | 43 | 1.4 |
| Unknown | 58 | 100 | 2662 | 86.4 |
| TOTAL | 58 | 100 | 3080 | 100 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 11. Pre-Implant Comorbidities

The following tables compares pre-implant comorbidities at the time of durable MCSD implant between your site and STS Intermacs over time. This section was revised during the v6.0 launch (11/24/20) and includes mapped data from patients implanted 2012 and later. Information on Prior Sternotomy and History of Hematopoietic Cancer is currently being mapped and will be available in the reports starting next quarter.

| | | | | | | | | | HOSP | (-9999 | | | | | | | | |
|---------------------------------|----|---------|-------|----|---------|------|----|---------|-------|--------|---------|-------|---|---------|--------|---|---------|---|
| Cardiothoracic issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Frequent ICD Shocks | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 1 | 12.5% | 0 | | - | 0 | | |
| Chronic Lung Disease | 23 | 5 | 21.7% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 2 | 2 | 100.0% | 0 | | |
| Pulmonary Hypertension | 23 | 6 | 26.1% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 11 | 4 | 36.4% | 1 | 1 | 100.0% | 0 | | |
| Recent Pulmonary Embolus | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 10 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| History of Atrial Arrhythmia | 23 | 4 | 17.4% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 8 | 1 | 12.5% | 1 | 1 | 100.0% | 0 | | |
| Thoracic Aortic Disease | 22 | 1 | 4.5% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 11 | 1 | 9.1% | 1 | 1 | 100.0% | 0 | | |

| | | | | | | | | | STS Int | ermacs | | | | | | | | |
|-------------------------------------|-----|---------|-------|-----|---------|-------|-----|---------|---------|--------|---------|-------|-----|---------|-------|---|---------|---|
| Cardiothoracic issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | Ν | Yes | % |
| Frequent ICD Shocks | 832 | 33 | 4.0% | 609 | 35 | 5.7% | 744 | 24 | 3.2% | 592 | 27 | 4.6% | 277 | 10 | 3.6% | 0 | | |
| Chronic Lung Disease | 832 | 64 | 7.7% | 609 | 57 | 9.4% | 745 | 69 | 9.3% | 592 | 106 | 17.9% | 276 | 76 | 27.5% | 0 | | |
| Pulmonary Hypertension | 832 | 150 | 18.0% | 609 | 96 | 15.8% | 744 | 139 | 18.7% | 588 | 206 | 35.0% | 276 | 129 | 46.7% | 0 | | |
| Recent Pulmonary Embolus | 832 | 13 | 1.6% | 609 | 8 | 1.3% | 746 | 17 | 2.3% | 599 | 13 | 2.2% | 287 | 6 | 2.1% | 0 | | |
| History of Atrial Arrhythmia | 832 | 156 | 18.8% | 609 | 106 | 17.4% | 745 | 128 | 17.2% | 594 | 201 | 33.8% | 281 | 134 | 47.7% | 0 | | |
| Thoracic Aortic Disease | 831 | 5 | 0.6% | 609 | 3 | 0.5% | 745 | 4 | 0.5% | 595 | 8 | 1.3% | 282 | 3 | 1.1% | 0 | | |

| Cardiothoracic issues | H | OSPX-999 | 99 | ST | S Interma | ics |
|------------------------------|----|----------|-------|------|-----------|-------|
| Cardiothoracic issues | N | Yes | % | N | Yes | % |
| Frequent ICD Shocks | 51 | 1 | 2.0% | 3054 | 129 | 4.2% |
| Chronic Lung Disease | 55 | 8 | 14.5% | 3054 | 372 | 12.2% |
| Pulmonary Hypertension | 55 | 11 | 20.0% | 3049 | 720 | 23.6% |
| Recent Pulmonary Embolus | 55 | 1 | 1.8% | 3073 | 57 | 1.9% |
| History of Atrial Arrhythmia | 52 | 7 | 13.5% | 3061 | 725 | 23.7% |
| Thoracic Aortic Disease | 54 | 3 | 5.6% | 3062 | 23 | 0.8% |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 11. Pre-Implant Comorbidities

| | | | | | | | | | HOSP | X-9999 | | | | | | | | |
|-----------------------|----|---------|-------|----|---------|------|----|---------|------|--------|---------|-------|---|---------|--------|---|---------|---|
| Nutritional/GI issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | Ν | Yes | % | N | Yes | % | Ν | Yes | % | N | Yes | % | N | Yes | % |
| Severe Diabetes | 23 | 5 | 21.7% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 3 | 25.0% | 3 | 1 | 33.3% | 0 | | |
| Malnutrition/Cachexia | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 1 | 8.3% | 2 | 2 | 100.0% | 0 | | |
| History GI Ulcers | 22 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 0 | | | 0 | | |
| Liver Dysfunction | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 1 | 12.5% | 0 | | | 0 | | |
| Hepatitis | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |

| | | | | | | | | | STS Int | ermacs | | | | | | | | |
|-----------------------|-----|---------|-------|-----|---------|-------|-----|---------|---------|--------|---------|-------|-----|---------|-------|---|---------|---|
| Nutritional/GI issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Severe Diabetes | 832 | 102 | 12.3% | 609 | 66 | 10.8% | 746 | 83 | 11.1% | 604 | 80 | 13.2% | 287 | 55 | 19.2% | 0 | | |
| Malnutrition/Cachexia | 832 | 21 | 2.5% | 609 | 17 | 2.8% | 743 | 15 | 2.0% | 599 | 42 | 7.0% | 280 | 24 | 8.6% | 0 | | |
| History GI Ulcers | 831 | 4 | 0.5% | 609 | 2 | 0.3% | 746 | 2 | 0.3% | 596 | 15 | 2.5% | 282 | 8 | 2.8% | 0 | | |
| Liver Dysfunction | 832 | 25 | 3.0% | 609 | 23 | 3.8% | 745 | 24 | 3.2% | 596 | 40 | 6.7% | 282 | 21 | 7.4% | 0 | | |
| Hepatitis | 832 | 9 | 1.1% | 609 | 10 | 1.6% | 746 | 4 | 0.5% | 597 | 8 | 1.3% | 280 | 9 | 3.2% | 0 | | |

| Nutritional/GI issues | H | OSPX-999 | 99 | ST | S Interma | ics |
|-----------------------|----|----------|-------|------|-----------|-------|
| Nutritional/Glassues | N | Yes | % | N | Yes | % |
| Severe Diabetes | 58 | 9 | 15.5% | 3078 | 386 | 12.5% |
| Malnutrition/Cachexia | 57 | 4 | 7.0% | 3063 | 119 | 3.9% |
| History GI Ulcers | 52 | 1 | 1.9% | 3064 | 31 | 1.0% |
| Liver Dysfunction | 51 | 2 | 3.9% | 3064 | 133 | 4.3% |
| Hepatitis | 55 | 0 | 0.0% | 3064 | 40 | 1.3% |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 11. Pre-Implant Comorbidities

| | | | | | | | | | HOSP | X-9999 | | | | | | | | |
|----------------------------------|----|---------|------|----|---------|------|----|---------|------|--------|---------|-------|---|---------|--------|---|---------|---|
| Vascular issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Heparin-induced Thrombocytopenia | 22 | 1 | 4.5% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 1 | 0 | 0.0% | 0 | | |
| Chronic Coagulopathy | 22 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 0 | | | 0 | | |
| Cerebrovascular Disease | 22 | 2 | 9.1% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| Major Stroke | 22 | 2 | 9.1% | 9 | 0 | 0.0% | 9 | 0 | 0.0% | 3 | 0 | 0.0% | 0 | | | 0 | | |
| Peripheral Arterial Disease | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 0 | 0.0% | 2 | 2 | 100.0% | 0 | | |

| | | | | | | | | | STS Int | ermacs | | | | | | | | |
|----------------------------------|-----|---------|------|-----|---------|------|-----|---------|---------|--------|---------|-------|-----|---------|-------|---|---------|---|
| Vascular issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Heparin-induced Thrombocytopenia | 831 | 9 | 1.1% | 609 | 10 | 1.6% | 744 | 15 | 2.0% | 589 | 8 | 1.4% | 270 | 9 | 3.3% | 0 | | |
| Chronic Coagulopathy | 831 | 5 | 0.6% | 609 | 6 | 1.0% | 744 | 14 | 1.9% | 593 | 12 | 2.0% | 270 | 4 | 1.5% | 0 | | |
| Cerebrovascular Disease | 831 | 44 | 5.3% | 609 | 37 | 6.1% | 745 | 38 | 5.1% | 599 | 46 | 7.7% | 286 | 52 | 18.2% | 0 | | |
| Major Stroke | 825 | 28 | 3.4% | 597 | 23 | 3.9% | 688 | 23 | 3.3% | 302 | 37 | 12.3% | 50 | 39 | 78.0% | 0 | | |
| Peripheral Arterial Disease | 832 | 36 | 4.3% | 609 | 25 | 4.1% | 744 | 34 | 4.6% | 599 | 36 | 6.0% | 280 | 28 | 10.0% | 0 | | |

| Vascular issues | H | OSPX-999 | 99 | ST | S Interma | ics |
|----------------------------------|----|----------|------|------|-----------|------|
| Vascular issues | N | Yes | % | N | Yes | % |
| Heparin-induced Thrombocytopenia | 53 | 2 | 3.8% | 3043 | 51 | 1.7% |
| Chronic Coagulopathy | 52 | 0 | 0.0% | 3047 | 41 | 1.3% |
| Cerebrovascular Disease | 56 | 2 | 3.6% | 3070 | 217 | 7.1% |
| Major Stroke | 43 | 2 | 4.7% | 2462 | 150 | 6.1% |
| Peripheral Arterial Disease | 57 | 3 | 5.3% | 3064 | 159 | 5.2% |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 11. Pre-Implant Comorbidities

| | | | | | | | | | HOSP | X-9999 | | | | | | | | |
|---|----|---------|------|----|---------|------|----|---------|-------|--------|---------|------|---|---------|------|---|---------|---|
| Oncology/infection issues | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| History Solid Organ Cancer | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 1 | 10.0% | 12 | 1 | 8.3% | 2 | 0 | 0.0% | 0 | | |
| Currently has Cancer v6 | 1 | 0 | 0.0% | 0 | | | 1 | 0 | 0.0% | 8 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| History of Solid Organ Transplant v6 | 1 | 0 | 0.0% | 0 | | | 1 | 0 | 0.0% | 9 | 0 | 0.0% | 3 | 0 | 0.0% | 0 | | |
| History of Bone Marrow Transplant (BMT) | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 0 | 0.0% | 3 | 0 | 0.0% | 0 | | |
| HIV | 22 | 0 | 0.0% | 10 | 0 | 0.0% | 9 | 0 | 0.0% | 3 | 0 | 0.0% | 0 | | | 0 | | |

| | | | | | | | | | STS Int | ermacs | | | | | | | | |
|---|-----|---------|------|-----|---------|------|---------|-----|---------|---------|-----|------|-----|---------|------|---------|-----|---|
| Oncology/infection issues | | 2020 Q1 | | | 2020 Q2 | | 2020 Q3 | | | 2020 Q4 | | | | 2021 Q1 | | 2021 Q2 | | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| History Solid Organ Cancer | 832 | 46 | 5.5% | 609 | 24 | 3.9% | 746 | 40 | 5.4% | 602 | 35 | 5.8% | 289 | 24 | 8.3% | 0 | | - |
| Currently has Cancer v6 | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 63 | 1 | 1.6% | 331 | 5 | 1.5% | 281 | 7 | 2.5% | 0 | | - |
| History of Solid Organ Transplant v6 | 8 | 0 | 0.0% | 12 | 0 | 0.0% | 64 | 1 | 1.6% | 335 | 1 | 0.3% | 290 | 3 | 1.0% | 0 | | |
| History of Bone Marrow Transplant (BMT) | 832 | 0 | 0.0% | 609 | 1 | 0.2% | 746 | 0 | 0.0% | 601 | 3 | 0.5% | 287 | 1 | 0.3% | 0 | | |
| HIV | 827 | 8 | 1.0% | 599 | 2 | 0.3% | 685 | 5 | 0.7% | 278 | 1 | 0.4% | 0 | | | 0 | | |

| Oncology/infaction issues | H | OSPX-999 | 99 | STS Intermacs | | | | |
|---|----|----------|------|---------------|-----|------|--|--|
| Oncology/infection issues | N | Yes | % | N | Yes | % | | |
| History Solid Organ Cancer | 57 | 2 | 3.5% | 3078 | 169 | 5.5% | | |
| Currently has Cancer v6 | 12 | 0 | 0.0% | 695 | 13 | 1.9% | | |
| History of Solid Organ Transplant v6 | 14 | 0 | 0.0% | 709 | 5 | 0.7% | | |
| History of Bone Marrow Transplant (BMT) | 58 | 0 | 0.0% | 3075 | 5 | 0.2% | | |
| HIV | 44 | 0 | 0.0% | 2389 | 16 | 0.7% | | |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 11. Pre-Implant Comorbidities

Data collection for the psychosocial issues section changed structure as a part of the v6.0 release. Mapping of this data is underway and this information will be available in the reports starting next quarter.

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 12. Pre-Implant Potential Barriers to Heart Transplant

The following tables compare pre-implant potential barriers to heart transplant at your site and STS Intermacs over time. This section was revised during the v6.0 launch (11/24/20) and includes mapped data from patients implanted 2012 and later.

| Potential Barriers to Heart | | | | | | | | | HOSP | X-9999 | | | | | | | | |
|---|----|---------|-------|----|---------|-------|----|---------|------|--------|---------|-------|---|---------|--------|---|---------|---|
| Transplant | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Advanced Age | 23 | 4 | 17.4% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 12 | 0 | 0.0% | 3 | 0 | 0.0% | 0 | | |
| Frailty | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 2 | 1 | 50.0% | 0 | | |
| Patient Does Not Want Transplant | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 8 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| Musculoskeletal Limitation to Ambulation | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| Contraindications to Immunosuppression | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 9 | 0 | 0.0% | 2 | 0 | 0.0% | 0 | | |
| Allosensitization | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 9 | 0 | 0.0% | 1 | 1 | 100.0% | 0 | | |
| Chronic Renal Disease | 23 | 1 | 4.3% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 2 | 1 | 50.0% | 0 | | |
| Large BMI | 23 | 6 | 26.1% | 10 | 2 | 20.0% | 10 | 0 | 0.0% | 12 | 2 | 16.7% | 3 | 0 | 0.0% | 0 | | |
| Chronic Infectious Concerns | 23 | 0 | 0.0% | 10 | 0 | 0.0% | 10 | 0 | 0.0% | 9 | 1 | 11.1% | 1 | 0 | 0.0% | 0 | | |

| Potential Barriers to Heart | | | | | | | | | STS Int | ermacs | | | | | | | | |
|---|-----|---------|-------|-----|---------|-------|-----|---------|---------|--------|---------|-------|-----|---------|-------|---|---------|---|
| Transplant | | 2020 Q1 | | | 2020 Q2 | | | 2020 Q3 | | | 2020 Q4 | | | 2021 Q1 | | | 2021 Q2 | |
| | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % | N | Yes | % |
| Advanced Age | 832 | 151 | 18.1% | 609 | 104 | 17.1% | 743 | 125 | 16.8% | 592 | 117 | 19.8% | 279 | 43 | 15.4% | 0 | | |
| Frailty | 832 | 50 | 6.0% | 609 | 34 | 5.6% | 743 | 38 | 5.1% | 581 | 44 | 7.6% | 272 | 27 | 9.9% | 0 | | |
| Patient Does Not Want Transplant | 832 | 17 | 2.0% | 609 | 14 | 2.3% | 740 | 20 | 2.7% | 556 | 10 | 1.8% | 235 | 8 | 3.4% | 0 | | |
| Musculoskeletal Limitation to Ambulation | 832 | 7 | 0.8% | 609 | 4 | 0.7% | 743 | 1 | 0.1% | 587 | 5 | 0.9% | 266 | 6 | 2.3% | 0 | | |
| Contraindications to Immunosuppression | 832 | 2 | 0.2% | 609 | 0 | 0.0% | 743 | 3 | 0.4% | 578 | 6 | 1.0% | 256 | 3 | 1.2% | 0 | | |
| Allosensitization | 832 | 9 | 1.1% | 609 | 5 | 0.8% | 741 | 9 | 1.2% | 567 | 9 | 1.6% | 243 | 2 | 0.8% | 0 | | |
| Chronic Renal Disease | 832 | 59 | 7.1% | 609 | 39 | 6.4% | 742 | 65 | 8.8% | 588 | 89 | 15.1% | 272 | 68 | 25.0% | 0 | | |
| Large BMI | 832 | 140 | 16.8% | 609 | 92 | 15.1% | 744 | 126 | 16.9% | 592 | 133 | 22.5% | 280 | 77 | 27.5% | 0 | - | |
| Chronic Infectious Concerns | 832 | 6 | 0.7% | 609 | 7 | 1.1% | 743 | 8 | 1.1% | 586 | 10 | 1.7% | 267 | 8 | 3.0% | 0 | | |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Comorbidities and Potential Barriers to Heart Transplant

Exhibit 12. Pre-Implant Potential Barriers to Heart Transplant

| Detential Devices to Heart Transplant | Н | OSPX-999 | 99 | ST | S Interma | ics |
|--|----|----------|-------|------|-----------|-------|
| Potential Barriers to Heart Transplant | N | Yes | % | N | Yes | % |
| Advanced Age | 58 | 4 | 6.9% | 3055 | 540 | 17.7% |
| Frailty | 55 | 1 | 1.8% | 3037 | 193 | 6.4% |
| Patient Does Not Want Transplant | 53 | 1 | 1.9% | 2972 | 69 | 2.3% |
| Musculoskeletal Limitation to Ambulation | 55 | 0 | 0.0% | 3037 | 23 | 0.8% |
| Contraindications to Immunosuppression | 54 | 0 | 0.0% | 3018 | 14 | 0.5% |
| Allosensitization | 53 | 2 | 3.8% | 2992 | 34 | 1.1% |
| Chronic Renal Disease | 55 | 2 | 3.6% | 3043 | 320 | 10.5% |
| Large BMI | 58 | 10 | 17.2% | 3057 | 568 | 18.6% |
| Chronic Infectious Concerns | 53 | 1 | 1.9% | 3037 | 39 | 1.3% |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 13. General Hemodynamics

The following table summarizes pre-implant heart rate, systolic BP and diastolic BP at your site and STS Intermacs.

| PRE-IMPLANT GENERAL HEMODYNAMICS | _ | HOSPX-9999 | STS Intermacs |
|----------------------------------|------|------------|---------------|
| Heart Rate | N | 58 | 3075 |
| | Mean | 95.57 | 91.74 |
| | Std | 20.03 | 17.58 |
| | Min | 68.00 | 40.00 |
| | Max | 175.00 | 175.00 |
| Diastolic Blood Pressure (mmHg) | N | 56 | 3022 |
| | Mean | 66.71 | 68.47 |
| | Std | 11.45 | 11.84 |
| | Min | 42.00 | 26.00 |
| | Max | 90.00 | 120.00 |
| Systolic Blood Pressure (mmHg) | N | 56 | 3028 |
| | Mean | 108.23 | 108.08 |
| | Std | 15.72 | 16.68 |
| | Min | 70.00 | 56.00 |
| | Max | 145.00 | 183.00 |
| All | N | 82 | 4117 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14a. Echo Hemodynamics - LVEDD

The following tables summarizes pre-implant LVEDD at your site and STS Intermacs over time.

GROUP=HOSPX-9999

| MPLANT DD (cm) | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|-----------------------|---------|---------|---------|---------|---------|---------|-------|
| N | 22 | 9 | 9 | 11 | 2 | 0 | 53 |
| Mean | 6.81 | 6.89 | 6.93 | 6.43 | 7.12 | | 6.77 |
| Std | 0.78 | 1.26 | 1.48 | 0.90 | 0.11 | | 1.01 |
| Min | 5.40 | 4.44 | 5.00 | 4.90 | 7.04 | | 4.44 |
| Max | 8.40 | 8.52 | 9.50 | 7.60 | 7.19 | | 9.50 |

GROUP=STS Intermacs

| IPLANT D (cm) | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|----------------------|---------|---------|---------|---------|---------|---------|-------|
| N | 672 | 505 | 615 | 507 | 234 | 0 | 2533 |
| Mean | 6.77 | 6.68 | 6.77 | 6.77 | 6.81 | | 6.76 |
| Std | 1.09 | 1.08 | 1.11 | 1.04 | 0.95 | | 1.07 |
| Min | 3.60 | 2.02 | 3.18 | 3.78 | 4.10 | | 2.02 |
| Max | 11.50 | 10.20 | 11.00 | 10.57 | 9.80 | | 11.50 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14b. Echo Hemodynamics - LVEF

The following tables summarizes pre-implant LVEF at your site and STS Intermacs over time.

| | | | | | | HOSP | X-9999 | | | | | |
|--------------------------------|------|---------|------|---------|------|---------|---------|---------|---------|---------|-----|---------|
| PRE-IMPLANT LVEF | 2020 | 0 Q1 | 2020 | 0 Q2 | 2020 | 0 Q3 | 2020 Q4 | | 2021 Q1 | | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| > 50 (normal) | | | | | • | - | | | | | | |
| 40-49 (mild) | | | | | | | | | | | | |
| 30-39 (moderate) | | | | | | | | | | | | |
| 20-29 (moderate/severe) | 3 | 13.0 % | 3 | 30.0 % | 2 | 20.0 % | 2 | 16.6 % | 1 | 33.3 % | 11 | 18.9 % |
| < 20 (severe) | 20 | 86.9 % | 7 | 70.0 % | 8 | 80.0 % | 9 | 75.0 % | 2 | 66.6 % | 46 | 79.3 % |
| Not Recorded or Not Documented | | | | | | | 1 | 8.3 % | | | 1 | 1.7 % |
| Unknown | | | | | | | | | | | | |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| | | | | | | STS Int | ermacs | | | | | |
|--------------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|------|---------|
| PRE-IMPLANT LVEF | 2020 | Q1 | 2020 | 2020 Q2 | | 2020 Q3 | | 2020 Q4 | | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| > 50 (normal) | 2 | 0.2 % | 1 | 0.1 % | 1 | 0.1 % | 2 | 0.3 % | 1 | 0.3 % | 7 | 0.2 % |
| 40-49 (mild) | 2 | 0.2 % | 2 | 0.3 % | 2 | 0.2 % | 1 | 0.1 % | 1 | 0.3 % | 8 | 0.2 % |
| 30-39 (moderate) | 19 | 2.2 % | 16 | 2.6 % | 28 | 3.7 % | 15 | 2.4 % | 7 | 2.4 % | 85 | 2.7 % |
| 20-29 (moderate/severe) | 216 | 25.9 % | 151 | 24.7 % | 192 | 25.7 % | 148 | 24.5 % | 87 | 30.0 % | 794 | 25.7 % |
| < 20 (severe) | 553 | 66.4 % | 409 | 67.1 % | 496 | 66.4 % | 417 | 69.0 % | 178 | 61.3 % | 2053 | 66.6 % |
| Not Recorded or Not Documented | 36 | 4.3 % | 29 | 4.7 % | 26 | 3.4 % | 18 | 2.9 % | 15 | 5.1 % | 124 | 4.0 % |
| Unknown | 4 | 0.4 % | 1 | 0.1 % | 1 | 0.1 % | 3 | 0.4 % | 1 | 0.3 % | 10 | 0.3 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14c. Echo Hemodynamics - RVEF

The following tables summarizes pre-implant RVEF at your site and STS Intermacs over time.

| | | | | | | HOSP | X-9999 | | | | | |
|---------------------|------|---------|-----|---------|-----|---------|--------|---------|-----|---------|----|---------|
| PRE-IMPLANT RVEF | 2020 |) Q1 | 202 | 0 Q2 | 202 | 0 Q3 | 2020 | 0 Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Normal | 8 | 34.7 % | 2 | 20.0 % | 2 | 20.0 % | 4 | 33.3 % | | | 16 | 27.5 % |
| Mild | 5 | 21.7 % | 5 | 50.0 % | 1 | 10.0 % | 2 | 16.6 % | 2 | 66.6 % | 15 | 25.8 % |
| Moderate | 7 | 30.4 % | | | 6 | 60.0 % | 4 | 33.3 % | 1 | 33.3 % | 18 | 31.0 % |
| Severe | 1 | 4.3 % | 2 | 20.0 % | | | 1 | 8.3 % | | | 4 | 6.8 % |
| Not Done | 1 | 4.3 % | | | | | | | | | 1 | 1.7 % |
| Not Applicable (v4) | | | | | | | 1 | 8.3 % | | | 1 | 1.7 % |
| Unknown | 1 | 4.3 % | 1 | 10.0 % | 1 | 10.0 % | | | | | 3 | 5.1 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| | | | | | | STS Int | ermacs | | | | | |
|---------------------|------|---------|------|---------|------|---------|--------|---------|-----|---------|------|---------|
| PRE-IMPLANT RVEF | 2020 | Q1 | 2020 | Q2 | 2020 | Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Normal | 179 | 21.5 % | 146 | 23.9 % | 172 | 23.0 % | 126 | 20.8 % | 69 | 23.7 % | 692 | 22.4 % |
| Mild | 225 | 27.0 % | 139 | 22.8 % | 186 | 24.9 % | 150 | 24.8 % | 66 | 22.7 % | 766 | 24.8 % |
| Moderate | 203 | 24.3 % | 155 | 25.4 % | 182 | 24.3 % | 153 | 25.3 % | 62 | 21.3 % | 755 | 24.5 % |
| Severe | 102 | 12.2 % | 74 | 12.1 % | 84 | 11.2 % | 68 | 11.2 % | 40 | 13.7 % | 368 | 11.9 % |
| Not Done | 71 | 8.5 % | 64 | 10.5 % | 69 | 9.2 % | 54 | 8.9 % | 25 | 8.6 % | 283 | 9.1 % |
| Not Applicable (v4) | 1 | 0.1 % | 1 | 0.1 % | | - | 3 | 0.4 % | 1 | 0.3 % | 6 | 0.1 % |
| Unknown | 51 | 6.1 % | 30 | 4.9 % | 53 | 7.1 % | 50 | 8.2 % | 27 | 9.3 % | 211 | 6.8 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14d. Echo Hemodynamics - Mitral Regurgitation

The following tables summarizes pre-implant mitral regurgitation at your site and STS Intermacs over time.

| PRE-IMPLANT MITRAL | | | | | | HOSP | X-9999 | | | | | |
|--------------------------------|------|---------|-----|---------|-----|---------|--------|---------|-----|---------|-----|---------|
| REGURGITATION | 2020 |) Q1 | 202 | 0 Q2 | 202 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 1 | 4.3 % | 2 | 20.0 % | | | 1 | 8.3 % | 1 | 33.3 % | 5 | 8.6 % |
| 1 (mild) | 11 | 47.8 % | 3 | 30.0 % | 4 | 40.0 % | 4 | 33.3 % | | | 22 | 37.9 % |
| 2 (moderate) | 5 | 21.7 % | 2 | 20.0 % | 4 | 40.0 % | 3 | 25.0 % | 1 | 33.3 % | 15 | 25.8 % |
| 3 (severe) | 6 | 26.0 % | 2 | 20.0 % | 2 | 20.0 % | 4 | 33.3 % | | | 14 | 24.1 % |
| Not Recorded or Not Documented | | | 1 | 10.0 % | | | | | 1 | 33.3 % | 2 | 3.4 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| PRE-IMPLANT MITRAL | | | | | | STS Int | ermacs | | | | | |
|--------------------------------|------|---------|------|---------|------|---------|--------|---------|-----|---------|------|---------|
| REGURGITATION | 2020 | Q1 | 2020 |) Q2 | 2020 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 79 | 9.4 % | 57 | 9.3 % | 57 | 7.6 % | 45 | 7.4 % | 17 | 5.8 % | 255 | 8.2 % |
| 1 (mild) | 253 | 30.4 % | 205 | 33.6 % | 259 | 34.7 % | 219 | 36.2 % | 100 | 34.4 % | 1036 | 33.6 % |
| 2 (moderate) | 254 | 30.5 % | 188 | 30.8 % | 246 | 32.9 % | 178 | 29.4 % | 83 | 28.6 % | 949 | 30.8 % |
| 3 (severe) | 176 | 21.1 % | 117 | 19.2 % | 142 | 19.0 % | 126 | 20.8 % | 67 | 23.1 % | 628 | 20.3 % |
| Not Recorded or Not Documented | 70 | 8.4 % | 42 | 6.8 % | 42 | 5.6 % | 36 | 5.9 % | 23 | 7.9 % | 213 | 6.9 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14e. Echo Hemodynamics - Aortic Regurgitation

The following tables summarizes pre-implant aortic regurgitation at your site and STS Intermacs over time.

| PRE-IMPLANT AORTIC | | | | | | HOSP | X-9999 | | | | | |
|--------------------------------|-----|---------|------|---------|-----|---------|--------|---------|-----|---------|-----|---------|
| REGURGITATION | 202 | 0 Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 8 | 34.7 % | 2 | 20.0 % | 2 | 20.0 % | 4 | 33.3 % | | | 16 | 27.5 % |
| 1 (mild) | 9 | 39.1 % | 1 | 10.0 % | 3 | 30.0 % | 1 | 8.3 % | 2 | 66.6 % | 16 | 27.5 % |
| 2 (moderate) | 1 | 4.3 % | | | 1 | 10.0 % | - | | | | 2 | 3.4 % |
| 3 (severe) | | | 1 | 10.0 % | | - | - | | | | 1 | 1.7 % |
| Not Recorded or Not Documented | 5 | 21.7 % | 6 | 60.0 % | 4 | 40.0 % | 7 | 58.3 % | 1 | 33.3 % | 23 | 39.6 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| PRE-IMPLANT AORTIC | | | | | | STS Int | ermacs | | | | | |
|--------------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|------|---------|
| REGURGITATION | 2020 | 0 Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 445 | 53.4 % | 329 | 54.0 % | 391 | 52.4 % | 320 | 52.9 % | 151 | 52.0 % | 1636 | 53.0 % |
| 1 (mild) | 248 | 29.8 % | 163 | 26.7 % | 229 | 30.6 % | 193 | 31.9 % | 79 | 27.2 % | 912 | 29.6 % |
| 2 (moderate) | 26 | 3.1 % | 27 | 4.4 % | 29 | 3.8 % | 17 | 2.8 % | 15 | 5.1 % | 114 | 3.7 % |
| 3 (severe) | 7 | 0.8 % | 3 | 0.4 % | 8 | 1.0 % | 3 | 0.4 % | 1 | 0.3 % | 22 | 0.7 % |
| Not Recorded or Not Documented | 106 | 12.7 % | 87 | 14.2 % | 89 | 11.9 % | 71 | 11.7 % | 44 | 15.1 % | 397 | 12.8 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 14f. Echo Hemodynamics - Tricuspid Regurgitation

The following tables summarizes pre-implant tricuspid regurgitation at your site and STS Intermacs over time.

| PRE-IMPLANT TRICUSPID | | | | | | HOSP | X-9999 | | | | | |
|--------------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|-----|---------|
| REGURGITATION | 2020 | 0 Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 4 | 17.3 % | 1 | 10.0 % | 3 | 30.0 % | | | | | 8 | 13.7 % |
| 1 (mild) | 9 | 39.1 % | 6 | 60.0 % | 5 | 50.0 % | 6 | 50.0 % | 2 | 66.6 % | 28 | 48.2 % |
| 2 (moderate) | 9 | 39.1 % | 2 | 20.0 % | 1 | 10.0 % | 4 | 33.3 % | 1 | 33.3 % | 17 | 29.3 % |
| 3 (severe) | 1 | 4.3 % | | | 1 | 10.0 % | 1 | 8.3 % | | | 3 | 5.1 % |
| Not Recorded or Not Documented | | | 1 | 10.0 % | | | 1 | 8.3 % | | | 2 | 3.4 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| PRE-IMPLANT TRICUSPID | | | | | | STS Int | ermacs | | | | | |
|--------------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|------|---------|
| REGURGITATION | 2020 |) Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| 0 (none) | 83 | 9.9 % | 59 | 9.6 % | 78 | 10.4 % | 58 | 9.6 % | 18 | 6.2 % | 296 | 9.6 % |
| 1 (mild) | 357 | 42.9 % | 275 | 45.1 % | 343 | 45.9 % | 263 | 43.5 % | 125 | 43.1 % | 1363 | 44.2 % |
| 2 (moderate) | 256 | 30.7 % | 149 | 24.4 % | 191 | 25.6 % | 171 | 28.3 % | 83 | 28.6 % | 850 | 27.5 % |
| 3 (severe) | 73 | 8.7 % | 73 | 11.9 % | 80 | 10.7 % | 68 | 11.2 % | 34 | 11.7 % | 328 | 10.6 % |
| Not Recorded or Not Documented | 63 | 7.5 % | 53 | 8.7 % | 54 | 7.2 % | 44 | 7.2 % | 30 | 10.3 % | 244 | 7.9 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 15. Swan Hemodynamics

The following table summarizes pre-implant hemodynamics derived from a Swan-Ganz catheter at your site and STS Intermacs.

| PRE-IMPLANT SWAN HEMODYNAMICS | | HOSPX-9999 | STS Intermacs |
|---|------|------------|---------------|
| Pulmonary Artery Systolic Pressure (mmHg) | N | 56 | 2766 |
| | Mean | 48.25 | 49.16 |
| | Std | 13.29 | 14.85 |
| | Min | 20.00 | 7.00 |
| | Max | 85.00 | 100.00 |
| Pulmonary Artery Diastolic Pressure (mmHg) | N | 56 | 2754 |
| | Mean | 24.66 | 24.61 |
| | Std | 8.91 | 8.81 |
| | Min | 6.00 | 0.00 |
| | Max | 53.00 | 60.00 |
| ~Mean RA Pressure (mmHg)~ | N | 39 | 1724 |
| | Mean | 22.13 | 12.25 |
| | Std | 11.74 | 8.33 |
| | Min | 2.00 | -3.00 |
| | Max | 40.00 | 55.00 |
| Mean Pulmonary Artery Capillary Wedge Pressure (mmHg) | N | 49 | 2285 |
| | Mean | 22.80 | 24.61 |
| | Std | 9.43 | 9.47 |
| | Min | 4.00 | 1.00 |
| | Max | 48.00 | 50.00 |
| Cardiac Index | N | 55 | 2633 |
| | Mean | 2.49 | 2.15 |
| | Std | 0.98 | 0.78 |
| | Min | 1.03 | 0.70 |
| | Max | 6.60 | 13.00 |
| Cardiac Output (L/min) | N | 53 | 2625 |
| | Mean | 4.74 | 4.30 |
| | Std | 2.03 | 1.49 |
| | Min | 1.40 | 0.60 |
| | Max | 13.10 | 13.10 |
| All | N | 82 | 4117 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Hemodynamics

Exhibit 16. ECG Cardiac Rhythm

The following tables summarizes pre-implant ECG cardiac rhythm at your site and STS Intermacs.

| | | | | | | HOSP | X-9999 | | | | | |
|----------------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|----|---------|
| ECG CARDIAC RHYTHM | 2020 | 0 Q1 | 2020 | 0 Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | TAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Sinus | 10 | 43.4 % | 7 | 70.0 % | 2 | 20.0 % | 9 | 75.0 % | 2 | 66.6 % | 30 | 51.7 % |
| Atrial fibrillation | 4 | 17.3 % | 1 | 10.0 % | • | - | 1 | 8.3 % | | | 6 | 10.3 % |
| Atrial Flutter | | | | | 1 | 10.0 % | | | | | 1 | 1.7 % |
| Not done | | | | | | | | | | | | |
| Atrial Paced, Ventricular Sensed | 1 | 4.3 % | | | 1 | 10.0 % | | | | | 2 | 3.4 % |
| Atrial Sensed, Ventricular Paced | 4 | 17.3 % | | | | | 1 | 8.3 % | | | 5 | 8.6 % |
| Atrial Paced, Ventricular Paced | 2 | 8.6 % | | | 4 | 40.0 % | | | | | 6 | 10.3 % |
| Junctional (v6) | | | | | | | | | | | | |
| Unknown | 1 | 4.3 % | | | | | 1 | 8.3 % | | | 2 | 3.4 % |
| Other, specify | 1 | 4.3 % | 2 | 20.0 % | 2 | 20.0 % | | | 1 | 33.3 % | 6 | 10.3 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| | | | | | | STS Int | ermacs | | | | | |
|----------------------------------|------|---------|------|---------|------|---------|--------|---------|-----|---------|------|---------|
| ECG CARDIAC RHYTHM | 2020 | Q1 | 2020 |) Q2 | 2020 | Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Sinus | 451 | 54.2 % | 344 | 56.4 % | 420 | 56.3 % | 352 | 58.2 % | 167 | 57.5 % | 1734 | 56.2 % |
| Atrial fibrillation | 68 | 8.1 % | 29 | 4.7 % | 56 | 7.5 % | 39 | 6.4 % | 25 | 8.6 % | 217 | 7.0 % |
| Atrial Flutter | 5 | 0.6 % | 5 | 0.8 % | 12 | 1.6 % | 6 | 0.9 % | 1 | 0.3 % | 29 | 0.9 % |
| Not done | 8 | 0.9 % | 5 | 0.8 % | 8 | 1.0 % | 6 | 0.9 % | | - | 27 | 0.8 % |
| Atrial Paced, Ventricular Sensed | 15 | 1.8 % | 12 | 1.9 % | 22 | 2.9 % | 8 | 1.3 % | 4 | 1.3 % | 61 | 1.9 % |
| Atrial Sensed, Ventricular Paced | 140 | 16.8 % | 111 | 18.2 % | 109 | 14.6 % | 89 | 14.7 % | 43 | 14.8 % | 492 | 15.9 % |
| Atrial Paced, Ventricular Paced | 75 | 9.0 % | 57 | 9.3 % | 69 | 9.2 % | 50 | 8.2 % | 23 | 7.9 % | 274 | 8.8 % |
| Junctional (v6) | | | | | | | 1 | 0.1 % | - | | 1 | 0.0 % |
| Unknown | 19 | 2.2 % | 12 | 1.9 % | 8 | 1.0 % | 23 | 3.8 % | 6 | 2.0 % | 68 | 2.2 % |
| Other, specify | 51 | 6.1 % | 34 | 5.5 % | 42 | 5.6 % | 30 | 4.9 % | 21 | 7.2 % | 178 | 5.7 % |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 17a. Functional Capacity - NYHA Class

The following table summarizes the pre-implant NYHA Class at your site and STS Intermacs over time.

| | | | | | | HOSP | X-9999 | | | | | |
|------------------------|------|---------|------|---------|-----|---------|--------|---------|-----|---------|----|---------|
| PRE-IMPLANT NYHA CLASS | 2020 | 0 Q1 | 2020 |) Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Class I | | - | | • | | | | | | | | |
| Class II | | | | | 1 | 10.0 % | | | | | 1 | 1.7 % |
| Class III | 1 | 4.3 % | 1 | 10.0 % | | | | | | | 2 | 3.4 % |
| Class IV | 22 | 95.6 % | 9 | 90.0 % | 9 | 90.0 % | 11 | 91.6 % | 2 | 66.6 % | 53 | 91.3 % |
| Unknown | | | | | | | 1 | 8.3 % | 1 | 33.3 % | 2 | 3.4 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 12 | 100.0 % | 3 | 100.0 % | 58 | 100.0 % |

| | | STS Intermacs | | | | | | | | | | | |
|------------------------|---------|---------------|------|---------|-----|---------|-----|---------|-----|---------|------|---------|--|
| PRE-IMPLANT NYHA CLASS | 2020 Q1 | | 2020 | 2020 Q2 | | 2020 Q3 | | 0 Q4 | 202 | 1 Q1 | TO | ΓAL | |
| | n | % | n | % | n | % | n | % | n | % | n | % | |
| Class I | 2 | 0.2 % | | | 4 | 0.5 % | | | 1 | 0.3 % | 7 | 0.2 % | |
| Class II | 11 | 1.3 % | 9 | 1.4 % | 13 | 1.7 % | 12 | 1.9 % | 4 | 1.3 % | 49 | 1.5 % | |
| Class III | 104 | 12.5 % | 70 | 11.4 % | 97 | 13.0 % | 96 | 15.8 % | 42 | 14.4 % | 409 | 13.2 % | |
| Class IV | 703 | 84.4 % | 520 | 85.3 % | 623 | 83.5 % | 483 | 79.9 % | 237 | 81.7 % | 2566 | 83.2 % | |
| Unknown | 12 | 1.4 % | 10 | 1.6 % | 9 | 1.2 % | 13 | 2.1 % | 6 | 2.0 % | 50 | 1.6 % | |
| TOTAL | 832 | 100.0 % | 609 | 100.0 % | 746 | 100.0 % | 604 | 100.0 % | 290 | 100.0 % | 3081 | 100.0 % | |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 17b. Functional Capacity - VO2 Max

The following table summarizes the pre-implant VO2 max at your site and STS Intermacs.

| VO2 MAX | | HOSPX-9999 | STS Intermacs |
|---------------------|------|------------|---------------|
| VO2 Max (mL/kg/min) | N | 0 | 244 |
| | Mean | | 15.96 |
| | Std | | 62.54 |
| | Min | | 0.90 |
| | Max | - | 978.00 |
| All | N | 82 | 4117 |

The following table summarizes the reasons the pre-implant VO2 max was incomplete at your site and STS Intermacs.

| VO2 MAX - Reason for Incomplete | HOSP | X-9999 | STS Intermacs | | | | |
|---------------------------------|------|--------|---------------|------|--|--|--|
| incomplete | N | % | N | % | | | |
| Not Done: Other | 42 | 72.4 | 1489 | 52.5 | | | |
| Not Done: Too Sick | 13 | 22.4 | 1032 | 36.4 | | | |
| Unknown | 3 | 5.2 | 316 | 11.1 | | | |
| TOTAL | 58 | 100 | 2837 | 100 | | | |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 17c. Functional Capacity - R Value at Peak

The following table summarizes the pre-implant R value at peak at your site and STS Intermacs.

| R VALUE | | HOSPX-9999 | STS Intermacs |
|------------|------|------------|---------------|
| Peak R (%) | N | 0 | 181 |
| | Mean | | 8.72 |
| | Std | | 15.93 |
| | Min | | 0.72 |
| | Max | | 78.00 |
| All | N | 82 | 4117 |

The following table summarizes the reasons the pre-implant R value at peak was incomplete at your site and Intermacs.

| R VALUE AT PEAK - Reason for | HOSP | X-9999 | STS Int | ermacs |
|------------------------------|------|--------|---------|--------|
| Incomplete | N | % | N | % |
| Not Done | 57 | 98.3 | 2565 | 88.4 |
| Unknown | 1 | 1.7 | 335 | 11.6 |
| TOTAL | 58 | 100 | 2900 | 100 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 17d. Functional Capacity - Six Minute Walk

The following table summarizes the pre-implant six minute walk at your site and STS Intermacs.

| 6 MINUTE WAL | K | HOSPX-9999 | STS Intermacs |
|----------------------|------|------------|---------------|
| Six Minute Walk (ft) | N | 4 | 596 |
| | Mean | 1122.50 | 842.98 |
| | Std | 238.10 | 514.40 |
| | Min | 900.00 | 0.00 |
| | Max | | 8268.00 |
| All | N | 82 | 4117 |

The following table summarizes the reasons the pre-implant six minute walk was incomplete at your site and STS Intermacs.

| 6 MINUTE WALK - Reason for | HOSP | X-9999 | STS Int | ermacs |
|----------------------------|------|--------|---------|--------|
| Incomplete | N | % | N | % |
| Not Done: Other | 40 | 74.1 | 1086 | 43.7 |
| Not Done: Too Sick | 12 | 22.2 | 1271 | 51.1 |
| Unknown | 2 | 3.7 | 128 | 5.2 |
| TOTAL | 54 | 100 | 2485 | 100 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18a. Quality of Life - EQ-5D Mobility

The following table compares the EQ-5D Mobility domain between your site and STS Intermacs.

| | HOSPX-9999 | | | | | | | | | | |
|---------------------------------------|------------|---------|---|---------|---|---------|---|---------|-----|---------|--|
| EQ-5D Mobility | 2020 | 2020 Q1 | | 2020 Q3 | | 2020 Q4 | | 1 Q1 | TOT | AL | |
| | n | % | n | % | n | % | n | % | n | % | |
| I have no problems in walking about | 3 | 33.3 % | • | | 2 | 40.0 % | | | 5 | 29.4 % | |
| I have some problems in walking about | 6 | 66.6 % | 1 | 100.0 % | 1 | 20.0 % | 2 | 100.0 % | 10 | 58.8 % | |
| I am confined to bed | | | | | 1 | 20.0 % | | | 1 | 5.8 % | |
| Unknown | | | | | 1 | 20.0 % | | | 1 | 5.8 % | |
| TOTAL | 9 | 100.0 % | 1 | 100.0 % | 5 | 100.0 % | 2 | 100.0 % | 17 | 100.0 % | |

| | STS Intermacs | | | | | | | | | | | |
|---------------------------------------|---------------|---------|-----|---------|-----|---------|-----|---------|---------|---------|------|---------|
| EQ-5D Mobility | 2020 | 2020 Q1 | | 2020 Q2 | | 2020 Q3 | | Q4 | 2021 Q1 | | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| I have no problems in walking about | 147 | 37.7 % | 89 | 35.3 % | 129 | 37.5 % | 128 | 41.4 % | 52 | 33.1 % | 545 | 37.5 % |
| I have some problems in walking about | 198 | 50.8 % | 127 | 50.3 % | 163 | 47.3 % | 147 | 47.5 % | 76 | 48.4 % | 711 | 49.0 % |
| I am confined to bed | 36 | 9.2 % | 28 | 11.1 % | 37 | 10.7 % | 31 | 10.0 % | 15 | 9.5 % | 147 | 10.1 % |
| Unknown | 8 | 2.0 % | 8 | 3.1 % | 15 | 4.3 % | 3 | 0.9 % | 14 | 8.9 % | 48 | 3.3 % |
| TOTAL | 389 | 100.0 % | 252 | 100.0 % | 344 | 100.0 % | 309 | 100.0 % | 157 | 100.0 % | 1451 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18b. Quality of Life - EQ-5D Self Care

The following table compares the EQ-5D Self Care domain between your site and STS Intermacs.

| | | HOSPX-9999 | | | | | | | | | | |
|---|---------|------------|-----|---------|---------|---------|-----|---------|----|---------|--|--|
| EQ-5D Self Care | 2020 Q1 | | 202 | 0 Q3 | 2020 Q4 | | 202 | 1 Q1 | TO | ΓAL | | |
| | n | % | n | % | n | % | n | % | n | % | | |
| I have no problems with self-care | 6 | 66.6 % | 1 | 100.0 % | 2 | 40.0 % | 2 | 100.0 % | 11 | 64.7 % | | |
| I have some problems washing or dressing myself | 3 | 33.3 % | • | | 2 | 40.0 % | | | 5 | 29.4 % | | |
| I am unable to wash or dress myself | | | | - | - | | - | | | - | | |
| Unknown | | | | | 1 | 20.0 % | | | 1 | 5.8 % | | |
| TOTAL | 9 | 100.0 % | 1 | 100.0 % | 5 | 100.0 % | 2 | 100.0 % | 17 | 100.0 % | | |

| | STS Intermacs | | | | | | | | | | | |
|---|---------------|---------|-----|---------|-----|---------|-----|---------|---------|---------|------|---------|
| EQ-5D Self Care | 2020 | 2020 Q1 | | 2020 Q2 | | 2020 Q3 | | Q4 | 2021 Q1 | | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| I have no problems with self-care | 228 | 58.6 % | 146 | 57.9 % | 201 | 58.4 % | 205 | 66.3 % | 91 | 57.9 % | 871 | 60.0 % |
| I have some problems washing or dressing myself | 123 | 31.6 % | 80 | 31.7 % | 103 | 29.9 % | 74 | 23.9 % | 43 | 27.3 % | 423 | 29.1 % |
| I am unable to wash or dress myself | 29 | 7.4 % | 19 | 7.5 % | 26 | 7.5 % | 25 | 8.0 % | 13 | 8.2 % | 112 | 7.7 % |
| Unknown | 9 | 2.3 % | 7 | 2.7 % | 14 | 4.0 % | 5 | 1.6 % | 10 | 6.3 % | 45 | 3.1 % |
| TOTAL | 389 | 100.0 % | 252 | 100.0 % | 344 | 100.0 % | 309 | 100.0 % | 157 | 100.0 % | 1451 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18c. Quality of Life - EQ-5D Usual Activities

The following table compares the EQ-5D Usual Activities domain between your site and STS Intermacs.

| | | HOSPX-9999 | | | | | | | | | | |
|--|---------|------------|---------|---------|---------|---------|---------|---------|----|---------|--|--|
| EQ-5D Usual Activities | 2020 Q1 | | 2020 Q3 | | 2020 Q4 | | 2021 Q1 | | TO | ΓAL | | |
| | n | % | n | % | n | % | n | % | n | % | | |
| I have no problems with performing my usual activities | 3 | 33.3 % | | | | | | | 3 | 17.6 % | | |
| I have some problems with performing my usual activities | 3 | 33.3 % | 1 | 100.0 % | 3 | 60.0 % | 2 | 100.0 % | 9 | 52.9 % | | |
| I am unable to perform my usual activities | 3 | 33.3 % | | | 1 | 20.0 % | | | 4 | 23.5 % | | |
| Unknown | | | | | 1 | 20.0 % | | | 1 | 5.8 % | | |
| TOTAL | 9 | 100.0 % | 1 | 100.0 % | 5 | 100.0 % | 2 | 100.0 % | 17 | 100.0 % | | |

| | | | | | | STS Inte | ermacs | | | | | |
|--|------|---------|---------|---------|-----|----------|--------|---------|---------|---------|------|---------|
| EQ-5D Usual Activities | 2020 | Q1 | 2020 Q2 | | 202 | 0 Q3 | 2020 | Q4 | 2021 Q1 | | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| I have no problems with performing my usual activities | 93 | 23.9 % | 61 | 24.2 % | 81 | 23.5 % | 87 | 28.1 % | 38 | 24.2 % | 360 | 24.8 % |
| I have some problems with performing my usual activities | 193 | 49.6 % | 116 | 46.0 % | 160 | 46.5 % | 148 | 47.8 % | 75 | 47.7 % | 692 | 47.6 % |
| I am unable to perform my usual activities | 93 | 23.9 % | 69 | 27.3 % | 83 | 24.1 % | 69 | 22.3 % | 33 | 21.0 % | 347 | 23.9 % |
| Unknown | 10 | 2.5 % | 6 | 2.3 % | 20 | 5.8 % | 5 | 1.6 % | 11 | 7.0 % | 52 | 3.5 % |
| TOTAL | 389 | 100.0 % | 252 | 100.0 % | 344 | 100.0 % | 309 | 100.0 % | 157 | 100.0 % | 1451 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18d. Quality of Life - EQ-5D Pain/Discomfort

The following table compares the EQ-5D Pain/Discomfort domain between your site and STS Intermacs.

| | HOSPX-9999 | | | | | | | | | | | | |
|------------------------------------|------------|---------|---------|---------|---------|---------|---------|---------|-----|---------|--|--|--|
| EQ-5D Pain/Discomfort | 2020 Q1 | | 2020 Q3 | | 2020 Q4 | | 2021 Q1 | | TOT | ΓAL | | | |
| | n | % | n | % | n | % | n | % | n | % | | | |
| I have no pain or discomfort | 6 | 66.6 % | | - | 1 | 20.0 % | | | 7 | 41.1 % | | | |
| I have moderate pain or discomfort | 3 | 33.3 % | 1 | 100.0 % | 2 | 40.0 % | 1 | 50.0 % | 7 | 41.1 % | | | |
| I have extreme pain or discomfort | | | | - | 1 | 20.0 % | 1 | 50.0 % | 2 | 11.7 % | | | |
| Unknown | | | | - | 1 | 20.0 % | | | 1 | 5.8 % | | | |
| TOTAL | 9 | 100.0 % | 1 | 100.0 % | 5 | 100.0 % | 2 | 100.0 % | 17 | 100.0 % | | | |

| | | | | | | STS Int | ermacs | | | | | |
|------------------------------------|------|----------|-----|---------|---------|---------|---------|---------|---------|---------|------|---------|
| EQ-5D Pain/Discomfort | 2020 | 0 Q1 202 | | Q2 | 2020 Q3 | | 2020 Q4 | | 2021 Q1 | | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| I have no pain or discomfort | 183 | 47.0 % | 97 | 38.4 % | 144 | 41.8 % | 160 | 51.7 % | 65 | 41.4 % | 649 | 44.7 % |
| I have moderate pain or discomfort | 176 | 45.2 % | 130 | 51.5 % | 146 | 42.4 % | 128 | 41.4 % | 69 | 43.9 % | 649 | 44.7 % |
| I have extreme pain or discomfort | 17 | 4.3 % | 16 | 6.3 % | 34 | 9.8 % | 16 | 5.1 % | 10 | 6.3 % | 93 | 6.4 % |
| Unknown | 13 | 3.3 % | 9 | 3.5 % | 20 | 5.8 % | 5 | 1.6 % | 13 | 8.2 % | 60 | 4.1 % |
| TOTAL | 389 | 100.0 % | 252 | 100.0 % | 344 | 100.0 % | 309 | 100.0 % | 157 | 100.0 % | 1451 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18e. Quality of Life - EQ-5D Anxiety/Depression

The following table compares the EQ-5D Anxiety/Depression domain between your site and STS Intermacs.

| | HOSPX-9999 | | | | | | | | | | | |
|--------------------------------------|------------|---------|---------|---------|---------|---------|-----|---------|-----|---------|--|--|
| EQ-5D Anxiety | 2020 | 0 Q1 | 2020 Q3 | | 2020 Q4 | | 202 | 1 Q1 | TOT | ΓAL | | |
| | n | % | n | % | n | % | n | % | n | % | | |
| I am not anxious or depressed | 5 | 55.5 % | 1 | 100.0 % | 2 | 40.0 % | | | 8 | 47.0 % | | |
| I am moderately anxious or depressed | 2 | 22.2 % | | | 2 | 40.0 % | 2 | 100.0 % | 6 | 35.2 % | | |
| I am extremely anxious or depressed | 2 | 22.2 % | | | | | | | 2 | 11.7 % | | |
| Unknown | | | | | 1 | 20.0 % | | | 1 | 5.8 % | | |
| TOTAL | 9 | 100.0 % | 1 | 100.0 % | 5 | 100.0 % | 2 | 100.0 % | 17 | 100.0 % | | |

| | | | | | | STS Int | ermacs | | | | | |
|--------------------------------------|------|---------|---------|---------|------|---------|--------|---------|-----|---------|-------|---------|
| EQ-5D Anxiety | 2020 | Q1 | 2020 Q2 | | 2020 | Q3 | 2020 | Q4 | 202 | 1 Q1 | TOTAL | |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| I am not anxious or depressed | 189 | 48.5 % | 110 | 43.6 % | 152 | 44.1 % | 153 | 49.5 % | 70 | 44.5 % | 674 | 46.4 % |
| I am moderately anxious or depressed | 169 | 43.4 % | 122 | 48.4 % | 147 | 42.7 % | 126 | 40.7 % | 64 | 40.7 % | 628 | 43.2 % |
| I am extremely anxious or depressed | 19 | 4.8 % | 12 | 4.7 % | 27 | 7.8 % | 27 | 8.7 % | 11 | 7.0 % | 96 | 6.6 % |
| Unknown | 12 | 3.0 % | 8 | 3.1 % | 18 | 5.2 % | 3 | 0.9 % | 12 | 7.6 % | 53 | 3.6 % |
| TOTAL | 389 | 100.0 % | 252 | 100.0 % | 344 | 100.0 % | 309 | 100.0 % | 157 | 100.0 % | 1451 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18f. Quality of Life - EQ-5D Visual Analog Scale

The following table compares the EQ-5D Visual Analog Scale domain between your site and STS Intermacs.

GROUP=HOSPX-9999

| D - VAS core | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|-----------------|---------|---------|---------|---------|---------|---------|-------|
| N | 9 | 0 | 1 | 5 | 1 | 0 | 16 |
| Mean | 37.44 | • | 70.00 | 31.00 | 40.00 | • | 37.63 |
| Std | 29.16 | • | | 22.47 | • | • | 25.94 |
| Min | 0.00 | | 70.00 | 10.00 | 40.00 | | 0.00 |
| Max | 90.00 | | 70.00 | 60.00 | 40.00 | | 90.00 |

| D - VAS | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|-------------|---------|---------|---------|---------|---------|---------|--------|
| N | 367 | 236 | 314 | 285 | 134 | 0 | 1336 |
| Mean | 50.32 | 48.08 | 50.87 | 53.82 | 51.02 | | 50.87 |
| Std | 24.32 | 24.53 | 23.31 | 23.37 | 26.32 | • | 24.16 |
| Min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| Max | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | 100.00 |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18g. Quality of Life - EQ-5D Incomplete - Patient Reasons

The following table compares the Patient Reasons the EQ-5D was not completed.

| | | | | | | HOSP: | X-9999 | | | | | |
|--|------|---------|-----|---------|-----|---------|--------|---------|-----|---------|-----|---------|
| Patient Reasons for Incomplete EQ-5D | 2020 | Q1 | 202 | 0 Q2 | 202 | 0 Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Too sick (ex., intubated/sedated, critically ill, on short-term VAD) | 3 | 21.4 % | 1 | 11.1 % | | | 4 | 57.1 % | | | 8 | 20.0 % |
| Too tired | 2 | 14.2 % | | | | | 1 | 14.2 % | | | 3 | 7.5 % |
| Too stressed, anxious, and/or depressed | | | | | | | - | | | | - | - |
| No time / too busy | 3 | 21.4 % | 1 | 11.1 % | 2 | 22.2 % | 1 | 14.2 % | | | 7 | 17.5 % |
| Too much trouble / don't want to be bothered / not interested | 1 | 7.1 % | 1 | 11.1 % | 1 | 11.1 % | | | | | 3 | 7.5 % |
| Can't concentrate | | | | | | | | | | | | |
| Unwilling to complete instrument, no reason given | | | 1 | 11.1 % | | | | | | | 1 | 2.5 % |
| Unable to read English and/or illiterate | | | | | 1 | 11.1 % | | | | | 1 | 2.5 % |
| Administrative (check specific reason below) | 5 | 35.7 % | 5 | 55.5 % | 5 | 55.5 % | 1 | 14.2 % | 1 | 100.0 % | 17 | 42.5 % |
| TOTAL | 14 | 100.0 % | 9 | 100.0 % | 9 | 100.0 % | 7 | 100.0 % | 1 | 100.0 % | 40 | 100.0 % |

| | | | | | | STS Int | ermacs | | | | | |
|--|------|---------|------|---------|------|---------|--------|---------|-----|---------|------|---------|
| Patient Reasons for Incomplete EQ-5D | 2020 | Q1 | 2020 | Q2 | 2020 | Q3 | 2020 | Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Too sick (ex., intubated/sedated, critically ill, on short-term VAD) | 142 | 37.1 % | 112 | 37.7 % | 117 | 34.0 % | 102 | 40.9 % | 46 | 38.0 % | 519 | 37.2 % |
| Too tired | 7 | 1.8 % | 2 | 0.6 % | 6 | 1.7 % | 5 | 2.0 % | 3 | 2.4 % | 23 | 1.6 % |
| Too stressed, anxious, and/or depressed | 9 | 2.3 % | 18 | 6.0 % | 19 | 5.5 % | 11 | 4.4 % | 3 | 2.4 % | 60 | 4.3 % |
| No time / too busy | 34 | 8.9 % | 20 | 6.7 % | 29 | 8.4 % | 22 | 8.8 % | 10 | 8.2 % | 115 | 8.2 % |
| Too much trouble / don't want to be bothered / not interested | 5 | 1.3 % | 5 | 1.6 % | 9 | 2.6 % | 3 | 1.2 % | 2 | 1.6 % | 24 | 1.7 % |
| Can't concentrate | 4 | 1.0 % | 1 | 0.3 % | 1 | 0.2 % | 3 | 1.2 % | | | 9 | 0.6 % |
| Unwilling to complete instrument, no reason given | 6 | 1.5 % | 3 | 1.0 % | 6 | 1.7 % | 9 | 3.6 % | 5 | 4.1 % | 29 | 2.0 % |
| Unable to read English and/or illiterate | 2 | 0.5 % | 1 | 0.3 % | 4 | 1.1 % | 4 | 1.6 % | 1 | 0.8 % | 12 | 0.8 % |
| Administrative (check specific reason below) | 173 | 45.2 % | 135 | 45.4 % | 153 | 44.4 % | 90 | 36.1 % | 51 | 42.1 % | 602 | 43.2 % |
| TOTAL | 382 | 100.0 % | 297 | 100.0 % | 344 | 100.0 % | 249 | 100.0 % | 121 | 100.0 % | 1393 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 18h. Quality of Life - EQ-5D Incomplete - Administrative Reasons

The following table compares the Administrative Reasons the EQ-5D was not completed.

| | | | | | | HOSP | X-9999 | | | | | |
|--|-----|---------|-----|---------|---------|---------|--------|---------|-----|---------|-----|---------|
| Administrative Reasons for Incomplete EQ-5D | 202 | 0 Q1 | 202 | 0 Q2 | Q2 2020 | | 2020 | 0 Q4 | 202 | 1 Q1 | TOT | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Urgent/emergent implant, no time to administer QOL instruments | | | • | • | 1 | 20.0 % | 1 | 100.0 % | • | - | 2 | 11.7 % |
| Coordinator too busy or forgot to administer QOL instruments | 5 | 100.0 % | 4 | 80.0 % | 4 | 80.0 % | | | 1 | 100.0 % | 14 | 82.3 % |
| Unable to contact patient (ie., not hospitalized or no clinic visit) within the window for QOL instr | | | 1 | 20.0 % | - | | | | | | 1 | 5.8 % |
| Other reason (describe) | | - | • | | | | | - | | | | |
| TOTAL | 5 | 100.0 % | 5 | 100.0 % | 5 | 100.0 % | 1 | 100.0 % | 1 | 100.0 % | 17 | 100.0 % |

| | | | | | | STS Int | ermacs | | | | | |
|--|------|---------|------|---------|------|---------|--------|---------|-----|---------|-----|---------|
| Administrative Reasons for Incomplete EQ-5D | 2020 | Q1 | 2020 | Q2 | 2020 | Q3 | 2020 | Q4 | 202 | 1 Q1 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % |
| Urgent/emergent implant, no time to administer QOL instruments | 11 | 6.3 % | 7 | 5.1 % | 3 | 1.9 % | 5 | 5.5 % | 1 | 1.9 % | 27 | 4.4 % |
| Coordinator too busy or forgot to administer QOL instruments | 92 | 53.1 % | 47 | 34.8 % | 59 | 38.5 % | 41 | 45.5 % | 22 | 43.1 % | 261 | 43.3 % |
| Unable to contact patient (ie., not hospitalized or no clinic visit) within the window for QOL instr | 8 | 4.6 % | 23 | 17.0 % | 30 | 19.6 % | 12 | 13.3 % | 11 | 21.5 % | 84 | 13.9 % |
| Other reason (describe) | 62 | 35.8 % | 58 | 42.9 % | 61 | 39.8 % | 32 | 35.5 % | 17 | 33.3 % | 230 | 38.2 % |
| TOTAL | 173 | 100.0 % | 135 | 100.0 % | 153 | 100.0 % | 90 | 100.0 % | 51 | 100.0 % | 602 | 100.0 % |

II.A. Pre-Implant Summaries - Functional Capacity and Quality of Life

Exhibit 19. Trailmaking

Trailmaking Test time is the number of seconds required to complete the test.

GROUP=HOSPX-9999

| naking ne(s) | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|-----------------|---------|---------|---------|---------|---------|---------|--------|
| N | 4 | 0 | 1 | 3 | 1 | 0 | 9 |
| Mean | 101.50 | | 168.00 | 96.67 | 181.00 | | 116.11 |
| Std | 57.98 | | • | 12.58 | | | 49.11 |
| Min | 46.00 | | 168.00 | 85.00 | 181.00 | | 46.00 |
| Max | 183.00 | | 168.00 | 110.00 | 181.00 | | 183.00 |

| ilmaking ime(s) | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
|--------------------|---------|---------|---------|---------|---------|---------|---------|
| N | 235 | 162 | 222 | 179 | 105 | 0 | 903 |
| Mean | 174.99 | 137.75 | 144.14 | 131.37 | 150.36 | • | 149.21 |
| Std | 328.31 | 71.37 | 96.62 | 94.22 | 118.38 | • | 186.53 |
| Min | 46.00 | 41.00 | 28.00 | 13.00 | 6.00 | | 6.00 |
| Max | 3600.00 | 423.00 | 948.00 | 840.00 | 1093.00 | | 3600.00 |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.B. Implant Summaries

Exhibit 20. VAD Indication

The following table summarizes additional implant reasons that necessitated the placement of a VAD at your site and STS Intermacs.

| VAD INDICATION | HOSP | X-9999 | STS Intermacs | | |
|--|------|---------|---------------|---------|--|
| VAD INDICATION | N | % | N | % | |
| Failure to wean from Cardio Pumonary Bypass | | | 32 | 1.3 % | |
| Persistent Heart Failure Following Cardiac Surgery | | | 32 | 1.3 % | |
| None | 44 | 100.0 % | 2336 | 97.3 % | |
| Total Patients | 44 | 100.0 % | 2400 | 100.0 % | |

SITE: HOSPX - DEMO SITE REPORT

II.B. Implant Summaries

Exhibit 21. Device Type

The following tables summarizes the implant side (location) of VADs at your site and STS Intermacs over time.

| HOSPX-9999 | | | | | | | | | | | | | | |
|-------------|------|---------|------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| Device Type | 2020 | Q1 | 2020 |) Q2 | 202 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TOT | TAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| LVAD | 22 | 95.6 % | 9 | 90.0 % | 10 | 100.0 % | 12 | 85.7 % | 13 | 100.0 % | 12 | 100.0 % | 78 | 95.1 % |
| RVAD | | | | | | | | | | | | | | |
| BiVAD | 1 | 4.3 % | 1 | 10.0 % | | | 1 | 7.1 % | | | | | 3 | 3.6 % |
| TAH | | | | | | | 1 | 7.1 % | | | | | 1 | 1.2 % |
| TOTAL | 23 | 100.0 % | 10 | 100.0 % | 10 | 100.0 % | 14 | 100.0 % | 13 | 100.0 % | 12 | 100.0 % | 82 | 100.0 % |

| | | STS Intermacs | | | | | | | | | | | | |
|-------------|-----|---------------|------|---------|------|---------|-----|---------|-----|---------|-----|---------|------|---------|
| Device Type | 202 | 0 Q1 | 2020 |) Q2 | 2020 | 0 Q3 | 202 | 0 Q4 | 202 | 1 Q1 | 202 | 1 Q2 | TO | ΓAL |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| LVAD | 783 | 93.8 % | 569 | 92.6 % | 723 | 95.2 % | 606 | 96.6 % | 625 | 93.4 % | 568 | 92.5 % | 3874 | 94.0 % |
| RVAD | 3 | 0.3 % | 2 | 0.3 % | | | | | - | - | 1 | 0.1 % | 6 | 0.1 % |
| BiVAD | 46 | 5.5 % | 42 | 6.8 % | 32 | 4.2 % | 20 | 3.1 % | 42 | 6.2 % | 43 | 7.0 % | 225 | 5.4 % |
| TAH | 2 | 0.2 % | 1 | 0.1 % | 4 | 0.5 % | 1 | 0.1 % | 2 | 0.2 % | 2 | 0.3 % | 12 | 0.2 % |
| TOTAL | 834 | 100.0 % | 614 | 100.0 % | 759 | 100.0 % | 627 | 100.0 % | 669 | 100.0 % | 614 | 100.0 % | 4117 | 100.0 % |

SITE: HOSPX - DEMO SITE REPORT

II.B. Implant Summaries

Exhibit 22. Additional Interventions within 48 Hours of Implant

This table lists the interventions that occurred during the 48 hours prior to implant. A patient can have more than 1 additional intervention.

| ADDITIONAL INTERVENTIONS | | HOSPX-9999 | | | STS Intermacs | |
|----------------------------------|----|------------|--------|------|---------------|--------|
| ADDITIONAL INTERVENTIONS | N | Yes | % | N | Yes | % |
| IABP | 45 | 2 | 4.44% | 2398 | 238 | 9.92% |
| Dialysis | 45 | 0 | 0.00% | 2398 | 30 | 1.25% |
| Ultrafiltration | 45 | 0 | 0.00% | 2398 | 6 | 0.25% |
| Ventilator | 45 | 1 | 2.22% | 2398 | 54 | 2.25% |
| Feeding Tube | 45 | 0 | 0.00% | 2398 | 23 | 0.96% |
| ECMO | 45 | 0 | 0.00% | 2398 | 45 | 1.88% |
| None | 45 | 42 | 93.33% | 2398 | 2007 | 83.69% |
| CABG+ | 45 | 0 | 0.00% | 2398 | 0 | 0.00% |
| Aortic Valve Replacement/Repair+ | 45 | 0 | 0.00% | 2398 | 3 | 0.13% |
| Mitral Valve Replacement/Repair+ | 45 | 0 | 0.00% | 2398 | 0 | 0.00% |
| Congenital Cardiac Surgery+ | 45 | 0 | 0.00% | 2398 | 1 | 0.04% |
| LVAD+ | 45 | 0 | 0.00% | 2398 | 53 | 2.21% |
| RVAD+ | 45 | 0 | 0.00% | 2398 | 10 | 0.42% |
| TAH+ | 45 | 0 | 0.00% | 2398 | 0 | 0.00% |
| Aneurysmectomy+ | 45 | 0 | 0.00% | 2398 | 0 | 0.00% |

Note: + = variable collected post relaunch (5/2/2012)

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23a. Patient Percent Experiencing Each Adverse Event Type

For each adverse event type, the percent of patients with a least one event of that type reported is presented at for your site and STS-INTERMACS overall.

Patient percent experiencing a specific adverse event = number of unique patients with reported event / number of patients at your site * 100

While useful, this measure does not take into consideration the varying amount of time on support for each patient (exposure time) or the timing of the adverse events. Subsequent exhibits use adverse event rates that more accurately compare adverse events reported at your site to the overall cohort.

| | Н | OSPX-99 | 99 | ST | S Interm | acs |
|--|--------|----------|---------|--------|----------|---------|
| | | | Patient | | | Patient |
| | Events | Patients | Percent | Events | Patients | Percent |
| Arterial Non-CNS Thromboembolism | | | | 24 | 20 | 0.5% |
| Bleeding | 14 | 10 | 12.2% | 1328 | 860 | 20.9% |
| Cardiac Arrhythmia | 11 | 11 | 13.4% | 1030 | 759 | 18.4% |
| Device Malfunction and/or Pump Thrombosis | 4 | 4 | 4.9% | 144 | 125 | 3.0% |
| Hepatic Dysfunction | | | - | 105 | 101 | 2.5% |
| Infection | 24 | 19 | 23.2% | 1876 | 1196 | 29.1% |
| Myocardial Infarction | | | | 6 | 6 | 0.1% |
| Neurological Dysfunction | 12 | 11 | 13.4% | 568 | 470 | 11.4% |
| Other Serious Adverse Event | 1 | 1 | 1.2% | 1171 | 714 | 17.3% |
| Pericardial Drainage | | | | 93 | 87 | 2.1% |
| Psychiatric Episode | | | | 164 | 142 | 3.4% |
| Rehospitalization | 63 | 29 | 35.4% | 4107 | 1815 | 44.1% |
| Renal Dysfunction | 4 | 4 | 4.9% | 513 | 465 | 11.3% |
| Respiratory Failure | 9 | 9 | 11.0% | 711 | 579 | 14.1% |
| Venous Thromboembolism | 3 | 3 | 3.7% | 77 | 70 | 1.7% |
| Wound Dehiscence | 1 | 1 | 1.2% | 41 | 40 | 1.0% |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23b. Adverse Event Exposure

The following table summarizes the total time patients receiving primary prospective implants have been followed at your site and STS Intermacs overall. The total follow-up time is divided into an early period (less than or equal to three months) and late period (more than three months). These totals are the accrued exposure time for each patient group and are used as the denominators in the following rate calculations.

| Patient Follow-Up | HOSPX-9999 | STS Intermacs |
|--|------------|------------------|
| Patient exposure during the first 3 months post implant (months) | 184 | 10607 |
| Patient exposure after the first 3 months post implant (months) | 368 | 21479 |
| Number of Patients | 82 | 4117 |

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23c. Adverse Event Rates

GROUP=HOSPX-9999

| | HOSPX-9999 | | | | | | | | |
|---|------------|-----------------------|-------------------------------|-------------------------------------|-----------|-------------------------------|--|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | |
| Bleeding | 9 | 9.8% | 4.89 | 5 | 4.9% | 1.36 | | | |
| Cardiac Arrhythmia | 10 | 12.2% | 5.43 | 1 | 1.2% | 0.27 | | | |
| Device Malfunction and/or Pump Thrombosis | 4 | 4.9% | 2.17 | | - | | | | |
| Infection | 18 | 17.1% | 9.77 | 6 | 7.3% | 1.63 | | | |
| Neurological Dysfunction | 10 | 12.2% | 5.43 | 2 | 2.4% | 0.54 | | | |
| Other Serious Adverse Event | 1 | 1.2% | 0.54 | | - | | | | |
| Rehospitalization | 22 | 24.4% | 11.94 | 41 | 22.0% | 11.15 | | | |
| Renal Dysfunction | 4 | 4.9% | 2.17 | | - | | | | |
| Respiratory Failure | 7 | 8.5% | 3.80 | 2 | 2.4% | 0.54 | | | |
| Venous Thromboembolism | 3 | 3.7% | 1.63 | | | | | | |
| Wound Dehiscence | 1 | 1.2% | 0.54 | | | | | | |

| | STS Intermacs | | | | | | | | | | |
|---|---------------|-----------------------|-------------------------------|------------|---------------------|-------------------------------|--|--|--|--|--|
| | (During th | Early e First Thre | e Months) | (After the | Late First Three | Months) | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | | | |
| Arterial Non-CNS Thromboembolism | 21 | 0.4% | 0.20 | 3 | 0.0% | 0.01 | | | | | |
| Bleeding | 897 | 16.1% | 8.46 | 431 | 7.6% | 2.01 | | | | | |
| Cardiac Arrhythmia | 830 | 16.1% | 7.83 | 200 | 3.7% | 0.93 | | | | | |
| Device Malfunction and/or Pump Thrombosis | 78 | 1.8% | 0.74 | 66 | 1.4% | 0.31 | | | | | |
| Hepatic Dysfunction | 75 | 1.8% | 0.71 | 30 | 0.7% | 0.14 | | | | | |
| Infection | 1116 | 20.1% | 10.52 | 760 | 13.3% | 3.54 | | | | | |
| Myocardial Infarction | 4 | 0.1% | 0.04 | 2 | 0.0% | 0.01 | | | | | |
| Neurological Dysfunction | 392 | 8.5% | 3.70 | 176 | 3.6% | 0.82 | | | | | |
| Other Serious Adverse Event | 889 | 14.7% | 8.38 | 282 | 4.9% | 1.31 | | | | | |
| Pericardial Drainage | 92 | 2.1% | 0.87 | 1 | 0.0% | 0.00 | | | | | |
| Psychiatric Episode | 121 | 2.7% | 1.14 | 43 | 0.9% | 0.20 | | | | | |
| Rehospitalization | 1532 | 27.2% | 14.44 | 2575 | 30.2% | 11.99 | | | | | |
| Renal Dysfunction | 455 | 10.3% | 4.29 | 58 | 1.3% | 0.27 | | | | | |
| Respiratory Failure | 639 | 13.1% | 6.02 | 72 | 1.5% | 0.34 | | | | | |
| Venous Thromboembolism | 69 | 1.5% | 0.65 | 8 | 0.2% | 0.04 | | | | | |
| Wound Dehiscence | 39 | 0.9% | 0.37 | 2 | 0.0% | 0.01 | | | | | |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23d. Infection Rates by Location

The following table compares infection rates according to location at your site and STS Intermacs. Every infection location reported is counted in the table.

GROUP=HOSPX-9999

| | | | HOSP | X-9999 | | | | |
|---------------------------|------------|-----------------------|-------------------------------|--|-----------|-------------------------------|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | |
| GI | | | | 1 | 1.2% | 0.27 | | |
| Line Sepsis | 3 | 3.7% | 1.63 | | | | | |
| Mediastinum | 1 | 1.2% | 0.54 | | | | | |
| Other Specify | 3 | 3.7% | 1.63 | | | | | |
| Positive Blood Cultures | 4 | 3.7% | 2.17 | 1 | 1.2% | 0.27 | | |
| Pulmonary | 9 | 11.0% | 4.89 | 1 | 1.2% | 0.27 | | |
| Pump/Related - Drive Line | 3 | 3.7% | 1.63 | 1 | 1.2% | 0.27 | | |
| Unknown | | | | 1 | 1.2% | 0.27 | | |
| Urinary Tract | | | | 2 | 2.4% | 0.54 | | |

| | | | STS Int | ermacs | | |
|------------------------------|------------|-----------------------|-------------------------------|------------|---------------------|-------------------------------|
| | (During th | Early e First Thre | e Months) | (After the | Late First Three | Months) |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) |
| GI | 75 | 1.8% | 0.71 | 24 | 0.6% | 0.11 |
| Line Sepsis | 17 | 0.4% | 0.16 | 16 | 0.4% | 0.07 |
| Mediastinum | 46 | 1.0% | 0.43 | 12 | 0.3% | 0.06 |
| Other Specify | 181 | 4.0% | 1.71 | 114 | 2.6% | 0.53 |
| Peripheral Wound | 41 | 0.9% | 0.39 | 25 | 0.5% | 0.12 |
| Positive Blood Cultures | 260 | 5.7% | 2.45 | 208 | 4.2% | 0.97 |
| Pulmonary | 376 | 7.9% | 3.54 | 106 | 2.4% | 0.49 |
| Pump/Related - Drive Line | 111 | 2.6% | 1.05 | 270 | 5.2% | 1.26 |
| Pump/Related - Exit Cannula | 4 | 0.1% | 0.04 | 11 | 0.3% | 0.05 |
| Pump/Related - Pump Interior | 4 | 0.1% | 0.04 | 4 | 0.1% | 0.02 |
| Pump/Related - Pump Pocket | 7 | 0.2% | 0.07 | 7 | 0.2% | 0.03 |
| Unknown | 28 | 0.6% | 0.26 | 17 | 0.4% | 0.08 |
| Urinary Tract | 165 | 3.5% | 1.56 | 83 | 1.7% | 0.39 |

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23e. Bleeding Rates by Source

The following table compares bleeding rates according to source at your site and STS Intermacs. Every bleed source reported is counted in the table.

NOTE: These rates are reported for patients receiving a implant starting in March 2009.

GROUP=HOSPX-9999

| | HOSPX-9999 | | | | | | | | | |
|--|------------|-----------------------|-------------------------------|-------------------------------------|-----------|-------------------------------|--|--|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | | |
| ENT / Dental | 2 | 2.4% | 1.09 | • | - | | | | | |
| GI OVERALL: upper, lower, unknown | 6 | 6.1% | 3.26 | 3 | 3.7% | 0.82 | | | | |
| GI: Lower gastrointestinal (colon, rectum, and anus) | 2 | 2.4% | 1.09 | • | - | | | | | |
| GI: Upper gastrointestinal (esophagus, stomach, duo | 1 | 1.2% | 0.54 | 1 | 1.2% | 0.27 | | | | |
| GI: unknown, but guaiac positive stools | 3 | 3.7% | 1.63 | 2 | 2.4% | 0.54 | | | | |
| Mediastinal: Unspecified | 1 | 1.2% | 0.54 | • | - | | | | | |
| Other | 3 | 3.7% | 1.63 | | - | | | | | |
| Pulmonary | | | | 2 | 1.2% | 0.54 | | | | |

| | | | STS Int | ermacs | | |
|--|------------|-----------------------|-------------------------------|--|-----------|-------------------------------|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) |
| Device anastamosis | 3 | 0.1% | 0.03 | • | - | |
| ENT / Dental | 57 | 1.2% | 0.54 | 21 | 0.4% | 0.10 |
| GI OVERALL: upper, lower, unknown | 411 | 8.2% | 3.87 | 321 | 5.7% | 1.49 |
| GI: Lower gastrointestinal (colon, rectum, and anus) | 108 | 2.3% | 1.02 | 72 | 1.6% | 0.34 |
| GI: Upper gastrointestinal (esophagus, stomach, duo | 1 209 | 4.4% | 1.97 | 173 | 3.3% | 0.81 |
| GI: unknown, but guaiac positive stools | 109 | 2.4% | 1.03 | 83 | 1.7% | 0.39 |
| Intra-abdominal | 11 | 0.3% | 0.10 | 6 | 0.1% | 0.03 |
| Mediastinal: Unspecified | 49 | 1.1% | 0.46 | 1 | 0.0% | 0.00 |
| Mediastinal: aortic-venous cannulation site | 1 | 0.0% | 0.01 | • | - | |
| Mediastinal: chest wall | 70 | 1.6% | 0.66 | 1 | 0.0% | 0.00 |
| Mediastinal: coagulopathy with no surgical site | 19 | 0.4% | 0.18 | • | - | |
| Mediastinal: inflow conduit | 4 | 0.1% | 0.04 | • | - | |
| Mediastinal: other surgical site | 27 | 0.6% | 0.25 | ٠ | - | |
| Mediastinal: outflow conduit | 7 | 0.2% | 0.07 | ٠ | - | |
| Mediastinal: outflow-aorta anastomosis | 12 | 0.3% | 0.11 | 1 | 0.0% | 0.00 |
| Other | 238 | 4.6% | 2.24 | 82 | 1.7% | 0.38 |
| Pleural space | 50 | 1.2% | 0.47 | 1 | 0.0% | 0.00 |
| Pulmonary | 29 | 0.6% | 0.27 | 3 | 0.0% | 0.01 |
| Pump Pocket | | | | 1 | 0.0% | 0.00 |
| Retroperitoneal | 13 | 0.3% | 0.12 | 4 | 0.1% | 0.02 |
| Urinary tract | 6 | 0.1% | 0.06 | 12 | 0.2% | 0.06 |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23f. Device Malfunction and/or Pump Thrombosis by type

The following table compares Device Malfunction and/or Pump Thrombosis rates according to type at your site and STS Intermacs.

NOTE: These rates are reported for patients receiving implant starting with Version 4.0 (June 2, 2014).

GROUP=HOSPX-9999

| | HOSPX-9999 | | | | | | |
|-----------------|--|-----------|-------------------------------|--|--|--|--|
| | Early (During the First Three Months) | | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | | | | |
| Pump Thrombosis | 3 | 3.7% | 1.63 | | | | |

| | | STS Intermacs | | | | | | | | |
|--------------------|------------|-----------------------|-------------------------------|--|-----------|-------------------------------|--|--|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | | |
| Device Malfunction | 35 | 0.9% | 0.33 | 29 | 0.6% | 0.14 | | | | |
| Pump Thrombosis | 35 | 0.8% | 0.33 | 24 | 0.6% | 0.11 | | | | |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Adverse Event Rates

Exhibit 23g. Neurological Dysfunction by Category

The following table compares neurological dysfunction rates according to category at your site and STS Intermacs.

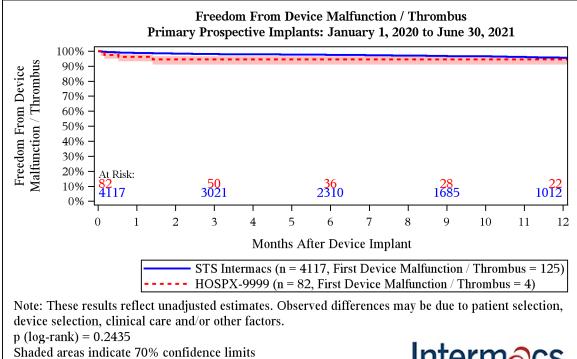
NOTE: These rates are reported for patients receiving implant starting with Version 3.0 (May 2, 2012).

GROUP=HOSPX-9999

| | HOSPX-9999 | | | | | | | | | |
|-----|------------|-----------------------|-------------------------------|-------------------------------------|-----------|-------------------------------|--|--|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | | |
| CVA | 10 | 12.2% | 5.43 | 2 | 2.4% | 0.54 | | | | |

| | | STS Intermacs | | | | | | | | | |
|----------------|------------|-----------------------|-------------------------------|--|-----------|-------------------------------|--|--|--|--|--|
| | (During th | Early e First Thre | e Months) | Late (After the First Three Months) | | | | | | | |
| | Episodes | Patient % | Rate (per 100 pt month) | Episodes | Patient % | Rate (per 100 pt month) | | | | | |
| CVA | 223 | 5.1% | 2.10 | 93 | 2.1% | 0.43 | | | | | |
| Confusion | 35 | 0.8% | 0.33 | 16 | 0.3% | 0.07 | | | | | |
| Encephalopathy | 84 | 1.9% | 0.79 | 31 | 0.7% | 0.14 | | | | | |
| Seizure | 25 | 0.6% | 0.24 | 12 | 0.3% | 0.06 | | | | | |
| TIA | 25 | 0.6% | 0.24 | 24 | 0.5% | 0.11 | | | | | |

Exhibit 24a. Time to First Device Malfunction / Thrombus

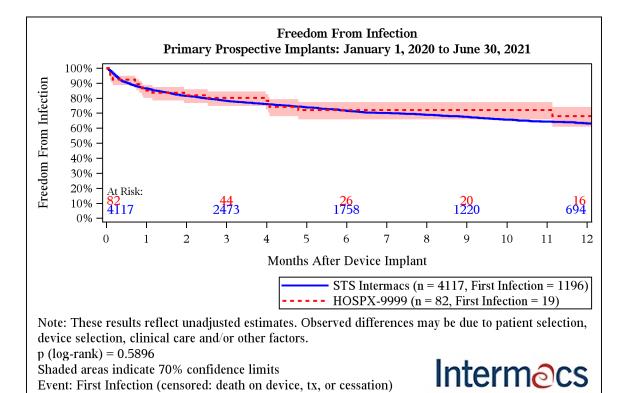


Event: First DM / Throm (censored death on device, tx, or cessation)



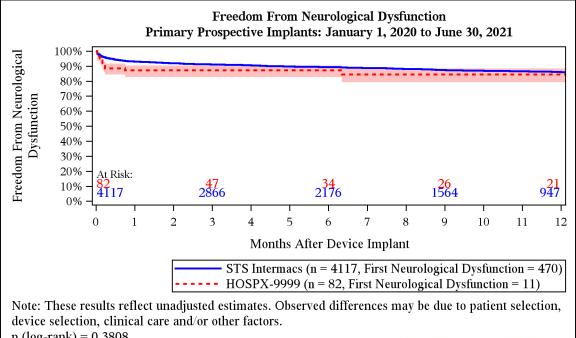
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 98.7% (98.5%-98.9%) | 96.1% (93.1%-97.8%) |
| 3 | 98.0% (97.8%-98.2%) | 94.5% (91.1%-96.6%) |
| 6 | 97.4% (97.2%-97.7%) | 94.5% (91.1%-96.6%) |
| 9 | 96.7% (96.4%-97.0%) | 94.5% (91.1%-96.6%) |
| 12 | 95.5% (95.1%-96.0%) | 94.5% (91.1%-96.6%) |

Exhibit 24b. Time to First Infection



| Months after Device Implant | | S Intermacs | н | DSPX-9999 |
|--------------------------------------|-------|---------------|-------|---------------|
| 1 | 86.4% | (85.9%-87.0%) | 85.0% | (80.2%-88.7%) |
| 3 | 78.2% | (77.5%-78.9%) | 80.1% | (74.8%-84.4%) |
| 6 | 71.6% | (70.8%-72.4%) | 72.0% | (65.8%-77.4%) |
| 9 | 67.5% | (66.7%-68.3%) | 72.0% | (65.8%-77.4%) |
| 12 | 63.1% | (62.2%-64.1%) | 68.0% | (60.8%-74.2%) |

Exhibit 24c. Time to First Neurological Dysfunction



p (log-rank) = 0.3808

Shaded areas indicate 70% confidence limits

Event: First Neuro Dys (censored: death on device, tx, or cessation)



| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| implant | | |
| 1 | 93.0% (92.6%-93.4%) | 87.1% (82.8%-90.5%) |
| 3 | 91.1% (90.6%-91.5%) | 87.1% (82.8%-90.5%) |
| 6 | 89.3% (88.7%-89.8%) | 87.1% (82.8%-90.5%) |
| 9 | 87.3% (86.7%-87.9%) | 84.4% (79.2%-88.4%) |
| 12 | 85.9% (85.3%-86.6%) | 84.4% (79.2%-88.4%) |

SITE: HOSPX - DEMO SITE REPORT

Exhibit 25. Hospital Days for Discharged Patients

This table compares hospital days (initial hospitalization) from implant date to discharge date for patients with submitted discharge forms. For most patients this is the date they were discharged alive on a device but for patients that died or were transplanted in the implantation hospitalization it is the death date or transplant date, respectively. The first section (All) compares overall hospital days. The remaining sections compare hospital days by each device type, LVAD, Bi-VAD and TAH respectively.

| FOR DIS | TAL DAYS CHARGED TENTS | | | | HOSPX-9999 | | | |
|---------|------------------------------|---------|---------|---------|------------|---------|---------|-------|
| FAI | ILIVIO | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
| All | N | 16 | 9 | 8 | 10 | 9 | 2 | 54 |
| | Mean | 20.13 | 20.89 | 41.25 | 23.70 | 22.00 | 20.00 | 24.35 |
| | Std | 9.63 | 6.43 | 35.03 | 7.18 | 7.33 | 2.83 | 16.24 |
| | Median | 20 | 21 | 24 | 21 | 19 | 20 | 21 |
| | Min | 8 | 11 | 13 | 12 | 14 | 18 | 8 |
| | Max | 48 | 29 | 100 | 37 | 36 | 22 | 100 |
| BiVAD | N | - | - | | 1 | - | - | 1 |
| | Mean | | | | 29.00 | - | | 29.00 |
| | Std | - | - | | - | - | - | |
| | Median | - | - | | 29 | - | - | 29 |
| | Min | - | - | | 29 | - | - | 29 |
| | Max | - | - | | 29 | - | - | 29 |
| LVAD | N | 16 | 9 | 8 | 9 | 9 | 2 | 53 |
| | Mean | 20.13 | 20.89 | 41.25 | 23.11 | 22.00 | 20.00 | 24.26 |
| | Std | 9.63 | 6.43 | 35.03 | 7.36 | 7.33 | 2.83 | 16.38 |
| | Median | 20 | 21 | 24 | 21 | 19 | 20 | 21 |
| | Min | 8 | 11 | 13 | 12 | 14 | 18 | 8 |
| | Max | 48 | 29 | 100 | 37 | 36 | 22 | 100 |
| RVAD | N | - | - | | - | - | - | |
| | Mean | | | | - | - | - | |
| | Std | | | | - | | - | |
| | Median | | | | - | | - | |
| | Min | | | | - | - | - | |
| | Max | | | | - | - | - | |
| TAH | N | | | | - | - | - | |
| | Mean | | | | - | | - | |
| | Std | | | | - | | - | |
| | Median | | | | | | | |
| | Min | | | | | | | |
| | Max | | | | | | | |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

Exhibit 25. Hospital Days for Discharged Patients

| FOR D | ITAL DAYS ISCHARGED | | | S | TS Intermace | 5 | | |
|-------|------------------------|---------|---------|---------|--------------|---------|---------|-------|
| | TIENTS | 2020 Q1 | 2020 Q2 | 2020 Q3 | 2020 Q4 | 2021 Q1 | 2021 Q2 | TOTAL |
| All | N | 730 | 548 | 667 | 550 | 583 | 399 | 3477 |
| | Mean | 27.66 | 26.83 | 26.96 | 26.35 | 25.08 | 21.00 | 25.99 |
| | Std | 27.81 | 24.92 | 21.52 | 18.64 | 16.37 | 11.44 | 21.62 |
| | Median | 21 | 21 | 20 | 21 | 20 | 18 | 20 |
| | Min | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| | Max | 387 | 378 | 164 | 177 | 120 | 81 | 387 |
| BiVAD | N | 29 | 29 | 20 | 11 | 29 | 14 | 132 |
| | Mean | 49.52 | 52.59 | 42.90 | 38.55 | 34.07 | 33.07 | 43.14 |
| | Std | 37.44 | 67.27 | 19.98 | 14.00 | 14.99 | 16.96 | 38.42 |
| | Median | 32 | 34 | 37 | 35 | 28 | 36 | 34 |
| | Min | 17 | 14 | 0 | 25 | 17 | 0 | 0 |
| | Max | 154 | 378 | 77 | 61 | 77 | 71 | 378 |
| LVAD | N | 700 | 518 | 645 | 539 | 552 | 385 | 3339 |
| | Mean | 26.79 | 25.41 | 26.46 | 26.10 | 24.46 | 20.56 | 25.30 |
| | Std | 27.00 | 19.31 | 21.43 | 18.65 | 16.13 | 10.97 | 20.38 |
| | Median | 20 | 20 | 19 | 20 | 20 | 18 | 20 |
| | Min | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| | Max | 387 | 210 | 164 | 177 | 120 | 81 | 387 |
| RVAD | N | 1 | 1 | | - | - | - | 2 |
| | Mean | 7.00 | 17.00 | | - | - | - | 12.00 |
| | Std | - | - | | - | - | - | 7.07 |
| | Median | 7 | 17 | ÷ | | | | 12 |
| | Min | 7 | 17 | | - | - | - | 7 |
| | Max | 7 | 17 | | - | - | - | 17 |
| TAH | N | - | - | 2 | - | 2 | - | 4 |
| | Mean | - | - | 28.00 | - | 65.00 | - | 46.50 |
| | Std | | | 7.07 | | 25.46 | | 26.25 |
| | Median | | | 28 | | 65 | | 40 |
| | Min | | | 23 | | 47 | | 23 |
| | Max | | | 33 | | 83 | | 83 |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - 30 Day Readmission

Exhibit 26. 30 Days Readmission

The following tables present the counts and percentages of patients that were discharged alive on a device that were readmitted within 30 days for your site and for STS Intermacs overall. Percentages are listed by device type and discharge year.

GROUP=HOSPX-9999

| | | | | Device | | | | | | |
|-------------------|--------|----------|--|---------------------------------|----------|--|---------------------------------|----------|--|---------------------------------|
| 30 D | av | LVAD | | | BiVAD | | | | TOTAL | |
| Readmission | | Alive on | Patients with 30 day Readmission | % With 30 day Readmission | Alive on | Patients with 30 day Readmission | % With 30 day Readmission | Alive on | Patients with 30 day Readmission | % With 30 day Readmission |
| Discharge Year | | | | | | | | | | |
| | 2020Q1 | 16 | 5 | 31.3% | | | | 16 | 5 | 31.3% |
| | 2020Q2 | 5 | 2 | 40.0% | | | | 5 | 2 | 40.0% |
| | 2020Q3 | 9 | 2 | 22.2% | | | - | 9 | 2 | 22.2% |
| | 2020Q4 | 10 | 2 | 20.0% | | | - | 10 | 2 | 20.0% |
| | 2021Q1 | 9 | 3 | 33.3% | 1 | 0 | 0.0% | 10 | 3 | 30.0% |
| | 2021Q2 | 4 | 1 | 25.0% | | - | - | 4 | 1 | 25.0% |
| | TOTAL | 53 | 15 | 28.3% | 1 | 0 | 0.0% | 54 | 15 | 27.8% |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - 30 Day Readmission

Exhibit 26. 30 Days Readmission

| | | | | | Device Type | | | | | |
|-----------------------|--------|----------|--|---------------------------------|-------------|--|---------------------------------|----------|--|---------------------------------|
| 30 Day Readmission | | | LVAD | | | RVAD | | | BiVAD | |
| | | Alive on | Patients with 30 day Readmission | % With 30 day Readmission | Alive on | Patients with 30 day Readmission | % With 30 day Readmission | Alive on | Patients with 30 day Readmission | % With 30 day Readmission |
| Discharge Year | | | | | | | | | | |
| | 2020Q1 | 530 | 123 | 23.2% | | | | 13 | 3 | 23.1% |
| | 2020Q2 | 502 | 123 | 24.5% | | | | 27 | 7 | 25.9% |
| | 2020Q3 | 636 | 153 | 24.1% | 1 | 0 | 0.0% | 27 | 6 | 22.2% |
| | 2020Q4 | 595 | 138 | 23.2% | | - | | 12 | 4 | 33.3% |
| | 2021Q1 | 506 | 127 | 25.1% | | - | | 24 | 4 | 16.7% |
| | 2021Q2 | 545 | 110 | 20.2% | | - | | 27 | 7 | 25.9% |
| | TOTAL | 3314 | 774 | 23.4% | 1 | 0 | 0.0% | 130 | 31 | 23.8% |

| 30 Day Readmission | | Device Type TAH | | | TOTAL | | |
|-----------------------|--------|--------------------|--|-------------|----------|--|---------------------------------|
| | | Alive on | Patients with 30 day Readmission | With 30 day | Alive on | Patients with 30 day Readmission | % With 30 day Readmission |
| Discharge Year | | | | | | | |
| | 2020Q1 | | | | 543 | 126 | 23.2% |
| | 2020Q2 | | | - | 529 | 130 | 24.6% |
| | 2020Q3 | 2 | 2 | 100.0% | 666 | 161 | 24.2% |
| | 2020Q4 | | - | - | 607 | 142 | 23.4% |
| | 2021Q1 | | - | - | 530 | 131 | 24.7% |
| | 2021Q2 | 2 | 1 | 50.0% | 574 | 118 | 20.6% |
| | TOTAL | 4 | 3 | 75.0% | 3449 | 808 | 23.4% |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 27a, 6 Minute Walk - Overall

The following tables summarize Six Minute Walk completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

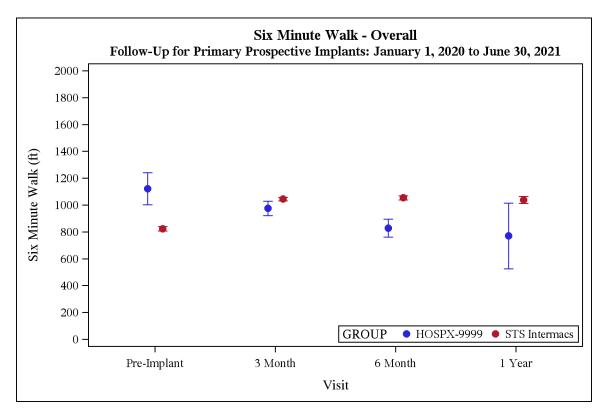
| | | С | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|----|-----------------|---------|--------------------------|-----|-------|--------|-------|----------|----------|--------|
| VISIT | Patients (n) | | Done: nknown | Do T | lot one: oo ick | Com | plete | | Six M | inute Wa | alk (ft) | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 66 | 80.5 | 12 | 14.6 | 4 | 4.9 | 1122.5 | 238.1 | 1095.0 | 900.0 | 1400.0 |
| 3 Month | 37 | 23 | 62.2 | 2 | 5.4 | 12 | 32.4 | 975.1 | 188.7 | 945.0 | 745.0 | 1375.0 |
| 6 Month | 27 | 16 | 59.3 | 1 | 3.7 | 10 | 37.0 | 828.4 | 211.4 | 832.5 | 500.0 | 1200.0 |
| 1 Year | 10 | 8 | 80.0 | | | 2 | 20.0 | 770.0 | 346.5 | 770.0 | 525.0 | 1015.0 |

| | | | СОМ | PLET | ION S | TAT | ับร | | | | | | | |
|-------------|-----------------|------------------|-----------------|------|-------|-----|------|-----|-------|--------|--------|---------|---------|--------|
| VISIT | Patients (n) | Not E Other/U | Oone: nknown | | ne: | Out | lier | Com | plete | | Six Mi | nute Wa | lk (ft) | |
| | N | N | % | N | % | N | % | Ν | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2250 | 54.7 | 1271 | 30.9 | 3 | 0.1 | 593 | 14.4 | 823.3 | 396.3 | 805.0 | 0.0 | 2300.0 |
| 3 Month | 2755 | 1844 | 66.9 | 230 | 8.3 | 3 | 0.1 | 678 | 24.6 | 1044.3 | 359.9 | 1050.0 | 26.0 | 2320.0 |
| 6 Month | 2033 | 1295 | 63.7 | 123 | 6.1 | 7 | 0.3 | 608 | 29.9 | 1054.5 | 380.3 | 1084.0 | 2.0 | 2175.0 |
| 1 Year | 771 | 480 | 62.3 | 41 | 5.3 | 2 | 0.3 | 248 | 32.2 | 1038.0 | 414.6 | 1087.0 | 3.0 | 2145.0 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 27a, 6 Minute Walk - Overall

The following figure summarize Six Minute Walk - Overall values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 27b. 6 Minute Walk - LVAD

The following tables summarize Six Minute Walk completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

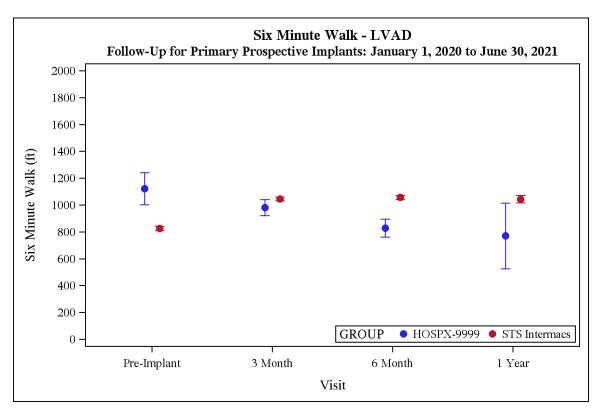
| | | С | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|----|----------------|---------|--------------------------|-----|-------|--------|-------|----------|----------|--------|
| VISIT | Patients (n) | | one: nknown | Do T | lot one: oo ick | Com | plete | | Six M | inute Wa | alk (ft) | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 78 | 64 | 82.1 | 10 | 12.8 | 4 | 5.1 | 1122.5 | 238.1 | 1095.0 | 900.0 | 1400.0 |
| 3 Month | 36 | 23 | 63.9 | 2 | 5.6 | 11 | 30.6 | 980.5 | 196.9 | 975.0 | 745.0 | 1375.0 |
| 6 Month | 27 | 16 | 59.3 | 1 | 3.7 | 10 | 37.0 | 828.4 | 211.4 | 832.5 | 500.0 | 1200.0 |
| 1 Year | 10 | 8 | 80.0 | | | 2 | 20.0 | 770.0 | 346.5 | 770.0 | 525.0 | 1015.0 |

| | | | СОМ | PLET | ION S | TAT | ับร | | | | | | | |
|-------------|-----------------|------------------|-----------------|------|-------|-----|------|-----|-------|--------|--------|---------|---------|--------|
| VISIT | Patients (n) | Not E Other/U | Oone: nknown | | ne: | Out | lier | Com | plete | | Six Mi | nute Wa | lk (ft) | |
| | N | N | % | N | % | Ν | % | Ν | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 3874 | 2132 | 55.0 | 1160 | 29.9 | 3 | 0.1 | 579 | 14.9 | 825.6 | 398.7 | 809.0 | 0.0 | 2300.0 |
| 3 Month | 2634 | 1775 | 67.4 | 203 | 7.7 | 3 | 0.1 | 653 | 24.8 | 1046.3 | 361.4 | 1050.0 | 26.0 | 2320.0 |
| 6 Month | 1959 | 1250 | 63.8 | 113 | 5.8 | 7 | 0.4 | 589 | 30.1 | 1056.1 | 378.8 | 1085.0 | 2.0 | 2175.0 |
| 1 Year | 738 | 460 | 62.3 | 38 | 5.1 | 2 | 0.3 | 238 | 32.2 | 1043.7 | 415.1 | 1094.0 | 3.0 | 2145.0 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 27b. 6 Minute Walk - LVAD

The following figure summarize Six Minute Walk - LVAD values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 27c. 6 Minute Walk - BiVAD

The following tables summarize Six Minute Walk completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

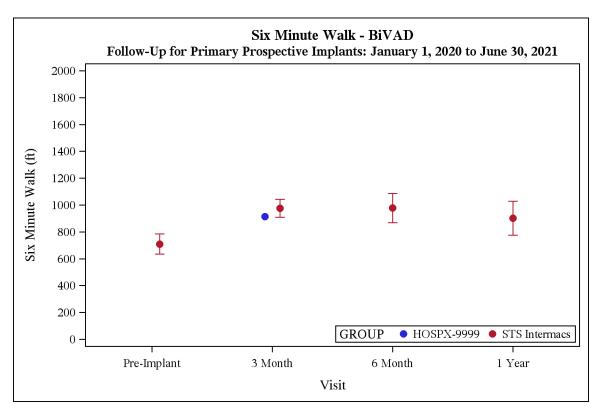
| | | C | OMPLET | ION | I STA | TUS | | | | | | |
|-------------|-----------------|-------|--------|---------|--------------------------|-----|-------|-------|-------|----------|----------|-------|
| VISIT | Patients (n) | Not E | one: | Do T | lot one: oo ick | Com | plete | | Six N | linute W | alk (ft) |) |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 3 | 2 | 66.7 | 1 | 33.3 | | | | | | | |
| 3 Month | 1 | | | | | 1 | 100.0 | 915.0 | | 915.0 | 915.0 | 915.0 |

| | | C | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|------------------|----------------|---------|------------------------|-----|-------|-------|-------|----------|----------|--------|
| VISIT | Patients (n) | Not E Other/U | one: nknown | Do T | ot ne: oo ick | Com | plete | | Six N | linute W | alk (ft) | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 225 | 110 | 48.9 | 102 | 45.3 | 13 | 5.8 | 709.2 | 271.9 | 800.0 | 126.0 | 1140.0 |
| 3 Month | 113 | 66 | 58.4 | 25 | 22.1 | 22 | 19.5 | 975.8 | 312.7 | 982.0 | 443.0 | 1500.0 |
| 6 Month | 69 | 42 | 60.9 | 10 | 14.5 | 17 | 24.6 | 977.9 | 448.0 | 931.0 | 3.0 | 1698.0 |
| 1 Year | 31 | 18 | 58.1 | 3 | 9.7 | 10 | 32.3 | 902.5 | 400.5 | 929.0 | 50.0 | 1478.0 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 27c. 6 Minute Walk - BiVAD

The following figure summarize Six Minute Walk - BiVAD values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 27d, 6 Minute Walk - TAH

The following tables summarize Six Minute Walk completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

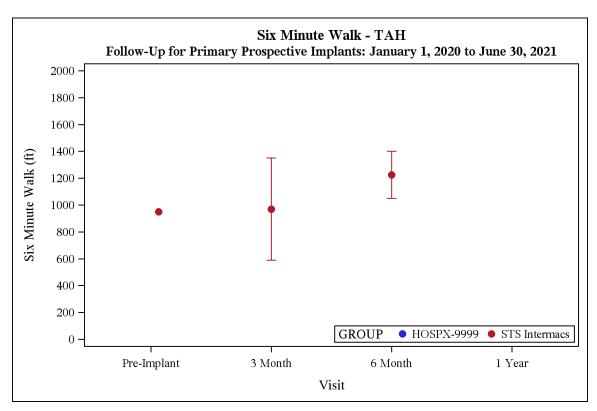
| | | COMPL STA | _ | | | | | |
|-------------|--------------|--------------|---------------|------|-------|---------|--------|-----|
| VISIT | Patients (n) | | Oone: Sick | Si | ix Mi | nute Wa | lk (ft |) |
| | N | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 1 | 1 | 100.0 | | | | | |

| | | C | OMPLET | ION | I STA | TUS | | | | | | |
|-------------|-----------------|---|-----------------|---------|--------------------------|-----|-------|--------|-------|----------|----------|--------|
| VISIT | Patients (n) | | Oone: nknown | Do T | lot one: oo ick | Com | plete | | Six N | linute W | alk (ft) | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 12 | 5 | 41.7 | 6 | 50.0 | 1 | 8.3 | 950.0 | | 950.0 | 950.0 | 950.0 |
| 3 Month | 5 | 1 | 20.0 | 2 | 40.0 | 2 | 40.0 | 970.0 | 537.4 | 970.0 | 590.0 | 1350.0 |
| 6 Month | 2 | | - | | | 2 | 100.0 | 1225.0 | 247.5 | 1225.0 | 1050.0 | 1400.0 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 27d, 6 Minute Walk - TAH

The following figure summarize Six Minute Walk - TAH values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 28. VO2 Max

The following tables summarize VO2 Max completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

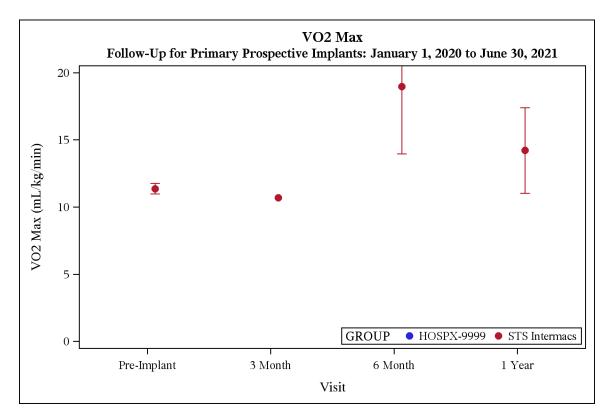
| | | СОМРІ | ETION S | TAT | US | | | | | |
|-------------|-----------------|-------|---------|----------|------------------------|------|-------|----------|-------|-----|
| VISIT | Patients (n) | | one: | Do To | ot ne: oo ick | VC |)2 Ma | ax (mL/k | g/miı | n) |
| | N | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 69 | 84.1 | 13 | 15.9 | | | | | |
| 3 Month | 37 | 36 | 97.3 | 1 | 2.7 | | | | | |
| 6 Month | 27 | 27 | 100.0 | | | | | | | |
| 1 Year | 10 | 10 | 100.0 | | | | | | | |

| | | | COMPLETION STATUS | | | | | | | | | | | |
|-------------|-----------------|------|-------------------|------------|------|-----|------|-----|-------|------|-------|----------|-------|------|
| VISIT | Patients (n) | | Oone: nknown | Doi Too | | Out | lier | Com | plete | V | D2 Ma | ax (mL/k | g/min | 1) |
| | N | N | % | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2841 | 69.0 | 1032 | 25.1 | 3 | 0.1 | 241 | 5.9 | 11.4 | 6.2 | 10.5 | 0.9 | 63.0 |
| 3 Month | 2755 | 2610 | 94.7 | 142 | 5.2 | 2 | 0.1 | 1 | 0.0 | 10.7 | | 10.7 | 10.7 | 10.7 |
| 6 Month | 2033 | 1942 | 95.5 | 81 | 4.0 | | | 10 | 0.5 | 19.0 | 15.8 | 15.2 | 9.4 | 63.0 |
| 1 Year | 771 | 747 | 96.9 | 22 | 2.9 | | | 2 | 0.3 | 14.2 | 4.5 | 14.2 | 11.0 | 17.4 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 28. VO2 Max

The following figure summarize VO2 Max values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 29. Peak R

The following tables summarize Peak R completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

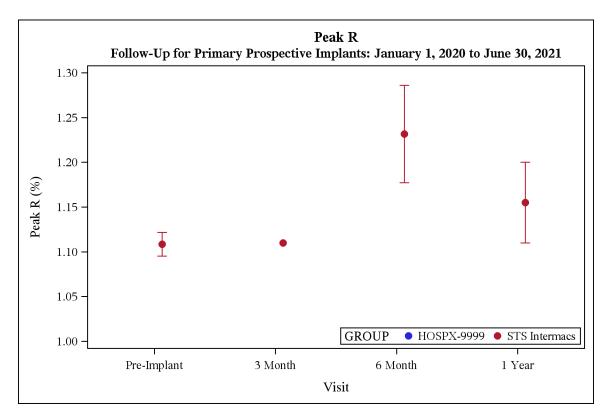
| | | COMPL STA | | | | | | |
|-------------|--------------|--------------|-----------------|----------------------------------|-----|--------|-----|-----|
| VISIT | Patients (n) | | Oone: nknown | n Peak R (%) Mean Std Median Min | | | | |
| | N | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 82 | 100.0 | | | | | |
| 3 Month | 37 | 37 | 100.0 | | | - | | |
| 6 Month | 27 | | | | | | | |
| 1 Year | 10 | 10 | 100.0 | | | | | |

| | | С | OMPLET | ION | STA | TUS | | | | | | |
|-------------|--------------|------|----------------|-----|------|-----|-------|------|-----|----------|----------|-----|
| VISIT | Patients (n) | | one: nknown | Out | lier | Com | plete | | P | eak R (% |) | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 3936 | 95.6 | 40 | 1.0 | 141 | 3.4 | 1.1 | 0.2 | 1.1 | 0.7 | 1.7 |
| 3 Month | 2755 | 2754 | 100.0 | | | 1 | 0.0 | 1.1 | | 1.1 | 1.1 | 1.1 |
| 6 Month | 2033 | 2025 | 99.6 | 2 | 0.1 | 6 | 0.3 | 1.2 | 0.1 | 1.2 | 1.1 | 1.4 |
| 1 Year | 771 | 769 | 99.7 | | | 2 | 0.3 | 1.2 | 0.1 | 1.2 | 1.1 | 1.2 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 29. Peak R

The following figure summarize Peak R values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 30. Gait Speed

The following tables summarize Gait Speed completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

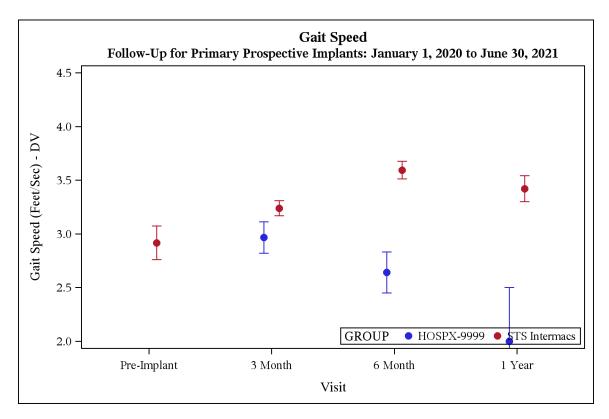
| | | С | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|----|---------------------|-----|--------------------------|-----|-------|------|------|------------|------|------|
| VISIT | Patients (n) | | t Done: /Unknown | | lot one: oo ick | Com | plete | Gait | Spee | ed (Feet/s | Sec) | - DV |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 69 | 84.1 | 13 | 15.9 | | | | | | | |
| 3 Month | 37 | 24 | 64.9 | 2 | 5.4 | 11 | 29.7 | 3.0 | 0.5 | 3.0 | 2.1 | 3.8 |
| 6 Month | 27 | 18 | 66.7 | 1 | 3.7 | 8 | 29.6 | 2.6 | 0.5 | 2.5 | 1.9 | 3.8 |
| 1 Year | 10 | 8 | | | | 2 | 20.0 | 2.0 | 0.7 | 2.0 | 1.5 | 2.5 |

| | | | СОМ | PLET | ION S | TAT | ับร | | | | | | | |
|-------------|-----------------|------|----------------|------------------|-------|-----|------|-----|-------|--------|------|------------|------|------|
| VISIT | Patients (n) | | one: nknown | No Doi Too | | Out | lier | Com | plete | Gait 9 | Spee | ed (Feet/S | Sec) | - DV |
| | N | N | % | N | % | Ν | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2767 | 67.2 | 1201 | 29.2 | 16 | 0.4 | 133 | 3.2 | 2.9 | 1.8 | 2.6 | 0.0 | 10.0 |
| 3 Month | 2755 | 2195 | 79.7 | 203 | 7.4 | 2 | 0.1 | 355 | 12.9 | 3.2 | 1.3 | 3.0 | 0.0 | 10.0 |
| 6 Month | 2033 | 1608 | 79.1 | 115 | 5.7 | 1 | 0.0 | 309 | 15.2 | 3.6 | 1.4 | 3.4 | 0.0 | 10.0 |
| 1 Year | 771 | 606 | 78.6 | 36 | 4.7 | 1 | 0.1 | 128 | 16.6 | 3.4 | 1.4 | 3.3 | 0.1 | 10.0 |

II.C. Post Implant Summary - Functional Capacity

Exhibit 30. Gait Speed

The following figure summarize Gait Speed values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 31. Trailmaking

The following tables summarize Trailmaking completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

| VISIT | Patients | COMP | LETIO | N ST | ATUS | | | | | |
|--------------------|----------|-------|-------|------|-------|-------|-------|-----------|--------|-------|
| VISII | (n) | Incon | plete | Com | plete | Tı | ailma | aking Tir | ne (se | c) |
| | N | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 73 | 89.0 | 9 | 11.0 | 116.1 | 49.1 | 95.0 | 46.0 | 183.0 |
| 3 Month | 37 | 29 | 78.4 | 8 | 21.6 | 118.3 | 46.1 | 113.5 | 52.0 | 199.0 |
| 6 Month | 27 | 25 | 92.6 | 2 | 7.4 | 53.5 | 30.4 | 53.5 | 32.0 | 75.0 |
| 1 Year | 10 | 8 | 80.0 | 2 | 20.0 | 154.0 | 11.3 | 154.0 | 146.0 | 162.0 |

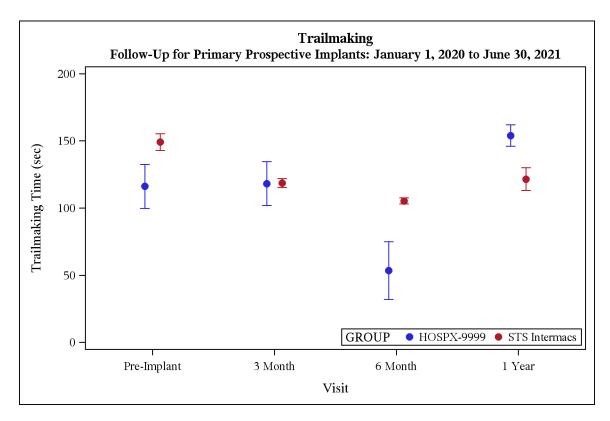
| VISIT | Patients (n) | | LETIO | | | ł | railma | king Tim | ne (se | ec) |
|--------------------|-----------------|------|-------|-----|------|-------|--------|----------|--------|--------|
| | N | N | % | Ν | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 3214 | 78.1 | 903 | 21.9 | 149.2 | 186.5 | 120.0 | 6.0 | 3600.0 |
| 3 Month | 2755 | 2049 | 74.4 | 706 | 25.6 | 118.7 | 87.8 | 97.0 | 9.0 | 1423.0 |
| 6 Month | 2033 | 1446 | 71.1 | 587 | 28.9 | 105.4 | 56.0 | 95.0 | 4.0 | 561.0 |
| 1 Year | 771 | 509 | 66.0 | 262 | 34.0 | 121.6 | 138.2 | 96.5 | 8.0 | 2134.0 |

SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 31. Trailmaking

The following figure summarize Trailmaking values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 32. NYHA Class

The following tables summarize NYHA completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

| | | COMF | PLETION | STAT | US | | | | | |
|-------------|-----------------|------------------|----------------|------|-------|------|-----|---------|-----|-----|
| VISIT | Patients (n) | Not E Other/U | one: nknown | Com | plete | | NY | HA Clas | s | |
| | N | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 26 | 31.7 | 56 | 68.3 | 3.9 | 0.3 | 4.0 | 2.0 | 4.0 |
| 3 Month | 37 | 7 | 18.9 | 30 | 81.1 | 2.7 | 1.0 | 2.0 | 1.0 | 4.0 |
| 6 Month | 27 | | | 23 | 85.2 | 2.4 | 0.8 | 2.0 | 1.0 | 4.0 |
| 1 Year | 10 | | | 10 | 100.0 | 2.0 | 0.5 | 2.0 | 1.0 | 3.0 |

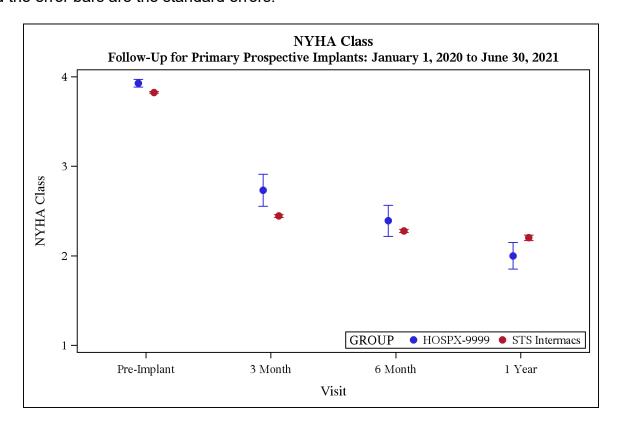
| | | СОМР | LETION | STAT | US | | | | | |
|-------------|-----------------|------|----------------|------|-------|------|-----|----------|-----|-----|
| VISIT | Patients (n) | | one: nknown | Com | plete | | NY | /HA Clas | ss | |
| | N | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 1086 | 26.4 | 3031 | 73.6 | 3.8 | 0.4 | 4.0 | 1.0 | 4.0 |
| 3 Month | 2755 | 384 | 13.9 | 2371 | 86.1 | 2.4 | 0.8 | 2.0 | 1.0 | 4.0 |
| 6 Month | 2033 | 227 | 1806 | 88.8 | 2.3 | 0.8 | 2.0 | 1.0 | 4.0 | |
| 1 Year | 771 | 84 | 10.9 | 687 | 89.1 | 2.2 | 0.8 | 2.0 | 1.0 | 4.0 |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Functional Capacity

Exhibit 32. NYHA Class

The following figure summarize NYHA Class values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33a. EQ-5D Index

The following tables summarize EQ-5D Index completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

| | | C | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|----------------------------|--------|----------|-----------------------|-----|-------|------|-----|-----------|-----|-----|
| VISIT | Patients (n) | Not Done: Other/Unknown | | Do To | ot ne: oo ck | Com | plete | | EG | Q-5D Inde | ex | |
| | N | N | | | | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 58 | 70.7 | 8 | 9.8 | 16 | 19.5 | 0.7 | 0.2 | 0.7 | 0.2 | 1.0 |
| 3 Month | 37 | 15 | 40.5 | 1 | 2.7 | 21 | 56.8 | 0.8 | 0.2 | 0.8 | 0.3 | 1.0 |
| 6 Month | 27 | 10 | 37.0 | 1 | 3.7 | 16 | 59.3 | 0.8 | 0.2 | 0.8 | 0.1 | 1.0 |
| 1 Year | 10 | 5 | 50.0 | | | 5 | 50.0 | 0.9 | 0.1 | 0.8 | 0.8 | 1.0 |

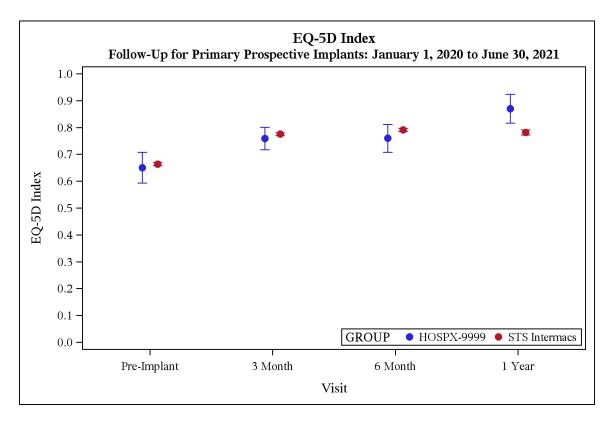
| | | С | OMPLET | ION | STA | TUS | | | | | | |
|--------------------|-----------------|------|-----------------|----------|------------------------|------|-------|------|-----|-----------|------|-----|
| VISIT | Patients (n) | | Done: nknown | Do To | ot ne: oo ick | Com | plete | | EC | Q-5D Ind∈ | ex | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2235 | 54.3 | 519 | 12.6 | 1363 | 33.1 | 0.7 | 0.2 | 0.7 | -0.1 | 1.0 |
| 3 Month | 2755 | 1564 | 56.8 | 80 | 2.9 | 1111 | 40.3 | 0.8 | 0.2 | 0.8 | -0.1 | 1.0 |
| 6 Month | 2033 | 1047 | 51.5 | 34 | 1.7 | 952 | 46.8 | 0.8 | 0.2 | 0.8 | -0.1 | 1.0 |
| 1 Year | 771 | 371 | 48.1 | 7 | 0.9 | 393 | 51.0 | 0.8 | 0.2 | 0.8 | 0.1 | 1.0 |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33a. EQ-5D Index

The following figure summarize EQ-5D Index values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33b. EQ-5D Visual Analog Scale

The following tables summarize EQ-5D Visual Analog Scale completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

| | | C | OMPLETI | ON | STA | TUS | | | | | | |
|-------------|-----------------|----|-----------------|----------|-----------------------|-----|-------|------|-------|---------|--------|-------|
| VISIT | Patients (n) | | Done: nknown | Do To | ot ne: oo ck | Com | plete | VA | \S: O | wn Heal | th Sta | ate |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 58 | 70.7 | 8 | 9.8 | 16 | 19.5 | 37.6 | 25.9 | 36.0 | 0.0 | 90.0 |
| 3 Month | 37 | 12 | 32.4 | 1 | 2.7 | 24 | 64.9 | 72.5 | 21.6 | 80.0 | 30.0 | 100.0 |
| 6 Month | 27 | 11 | 40.7 | 1 | 3.7 | 15 | 55.6 | 71.7 | 14.4 | 75.0 | 45.0 | 95.0 |
| 1 Year | 10 | 5 | 50.0 | | | 5 | 50.0 | 74.0 | 15.2 | 80.0 | 50.0 | 90.0 |

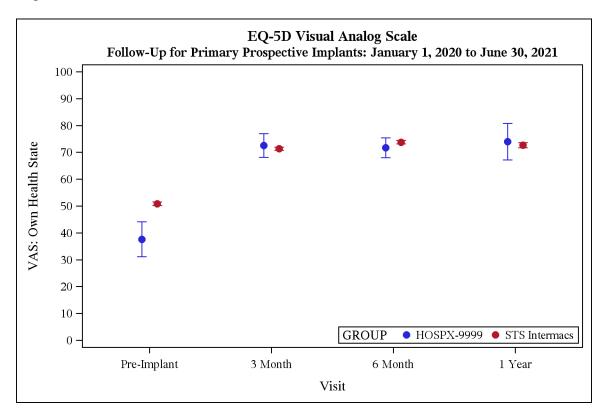
| | | C | OMPLET | ION | STA | TUS | | | | | | |
|-------------|-----------------|------|---------------------------|-----|-----------------------|------|-------|------|-------|----------|--------|-------|
| VISIT | Patients (n) | | Not Done: ther/Unknown | | ot ne: oo ck | Com | plete | VA | \S: O | wn Healt | :h Sta | ate |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2262 | 54.9 | 519 | 12.6 | 1336 | 32.5 | 50.9 | 24.2 | 50.0 | 0.0 | 100.0 |
| 3 Month | 2755 | 1596 | 57.9 | 80 | 2.9 | 1079 | 39.2 | 71.3 | 18.8 | 75.0 | 0.0 | 100.0 |
| 6 Month | 2033 | 1075 | 52.9 | 34 | 1.7 | 924 | 45.5 | 73.8 | 18.9 | 75.5 | 0.0 | 100.0 |
| 1 Year | 771 | 385 | 49.9 | 7 | 0.9 | 379 | 49.2 | 72.7 | 19.3 | 75.0 | 0.0 | 100.0 |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33b. EQ-5D Visual Analog Scale

The following figure summarize EQ-5D Visual Analog Scale values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33c. KCCQ-12 - Scored

The following tables summarize KCCQ-12 - Scored completion status and values at your site and STS Intermacs at select follow-up visits. Only follow-up data for patients first devices are considered for this summary. Unlikely values have been categorized as outliers and are listed in the accompanying data quality report.

GROUP=HOSPX-9999

| | | C | OMPLETI | ON | STA | TUS | | | | | | |
|-------------|-----------------|----|--------------------------|----|-----|-----|-------|------|------|----------|------|-------|
| VISIT | Patients (n) | | Not Done: her/Unknown | | | Com | plete | | KC | CQ-12 Sc | ore | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 82 | 58 | 70.7 | 8 | 9.8 | 16 | 19.5 | 31.7 | 15.7 | 31.0 | 6.8 | 62.5 |
| 3 Month | 37 | 12 | 32.4 | 1 | 2.7 | 24 | 64.9 | 58.6 | 27.4 | 61.0 | 12.0 | 100.0 |
| 6 Month | 27 | 11 | 40.7 | 1 | 3.7 | 15 | 55.6 | 59.6 | 23.9 | 62.5 | 17.7 | 90.6 |
| 1 Year | 10 | 6 | 60.0 | | | 4 | 40.0 | 70.8 | 18.9 | 75.0 | 45.8 | 87.5 |

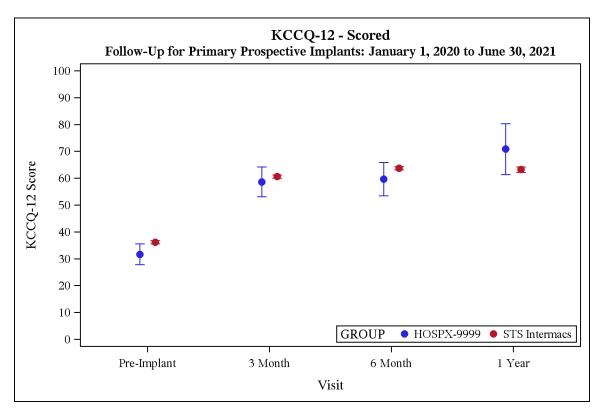
| | | С | OMPLET | ION | STA | гus | | | | | | |
|-------------|-----------------|------------------|----------------|----------|------------------------|------|-------|------|------|----------|-----|-------|
| VISIT | Patients (n) | Not E Other/U | one: nknown | Do To | ot ne: oo ick | Com | plete | | ксс | CQ-12 Sc | ore | |
| | N | N | % | N | % | N | % | Mean | Std | Median | Min | Max |
| Pre-Implant | 4117 | 2087 | 50.7 | 543 | 13.2 | 1487 | 36.1 | 36.2 | 21.3 | 33.3 | 0.0 | 100.0 |
| 3 Month | 2755 | 1416 | 51.4 | 89 | 3.2 | 1250 | 45.4 | 60.6 | 21.2 | 62.5 | 0.0 | 100.0 |
| 6 Month | 2033 | 926 | 45.5 | 37 | 1.8 | 1070 | 52.6 | 63.7 | 20.9 | 65.6 | 0.0 | 100.0 |
| 1 Year | 771 | 340 | 44.1 | 7 | 0.9 | 424 | 55.0 | 63.2 | 20.7 | 66.1 | 0.0 | 100.0 |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.C. Post Implant Summary - Quality of Life

Exhibit 33c. KCCQ-12 - Scored

The following figure summarize KCCQ-12 - Scored values your site and STS Intermacs at select follow-up visits. Only follow-up data for patients' first devices are considered for this summary. The dots represent average values and the error bars are the standard errors.



COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

II.E. Post Implant Outcomes

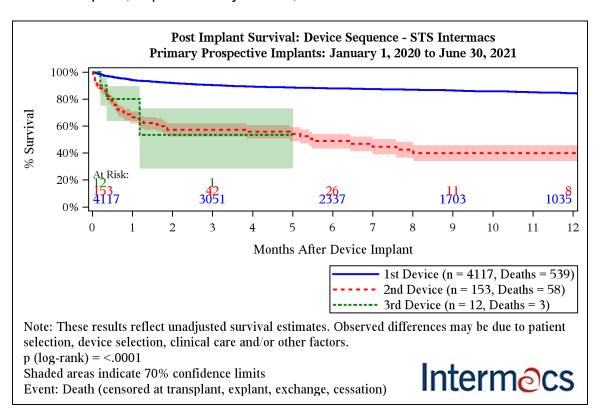
This section provides statistical summaries of outcomes after VAD implant. These depictions include all patients who received a primary device at your institution and compares it with the equivalent group in Intermacs. The p-values are a univariate comparison (log-rank test) of survival at your institution with survival for the entire registry. Univariate comparisons are well known to be limited in value because no adjustment is made for differing patient characteristics in the groups. Nevertheless, these comparisons can provide an initial comparison of unadjusted results. Future version of this report will provide risk adjusted comparisons.

Note: If your site did not report any patients within a specified group, only the overall STS Intermacs data will be displayed.

SITE: HOSPX - DEMO SITE REPORT

Exhibit 34a. Post Implant Survival - Device Sequence - STS Intermacs

The following figure compares survival time on specific devices based on device sequence for all of STS Intermacs. Each curve represents survival from the time the device was implanted until death. Patients are censored at time of transplant, explant for any reason, or the device was turned off.

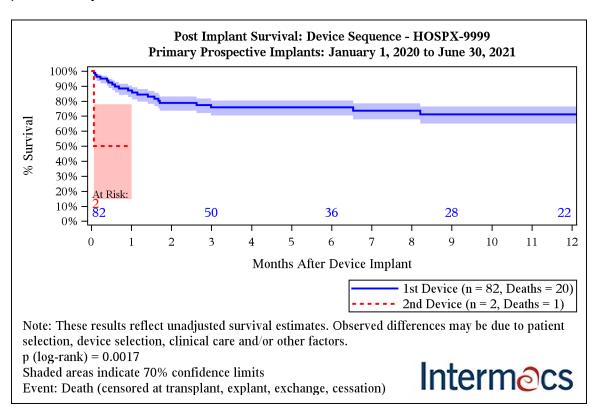


| Months after Device Implant | 1st Device | 2nd De | vice | 31 | rd Devic | e |
|--------------------------------------|--------------------|----------------|----------|-------|----------|--------|
| 1 | 94.1% (93.7%-94.59 | 6) 66.5% (61.9 | %-70.7%) | 80.0% | (63.6%-8 | 39.6%) |
| 3 | 90.3% (89.8%-90.79 | 5) 57.2% (52.2 | %-61.9%) | 53.3% | (28.3%- | 73.1%) |
| 6 | 87.9% (87.3%-88.49 | 48.8% (43.2 | %-54.1%) | | | |
| 9 | 86.4% (85.8%-86.99 | 39.8% (33.8 | %-45.8%) | | | |
| 12 | 84.3% (83.6%-85.09 | 39.8% (33.8 | %-45.8%) | | | |

SITE: HOSPX - DEMO SITE REPORT

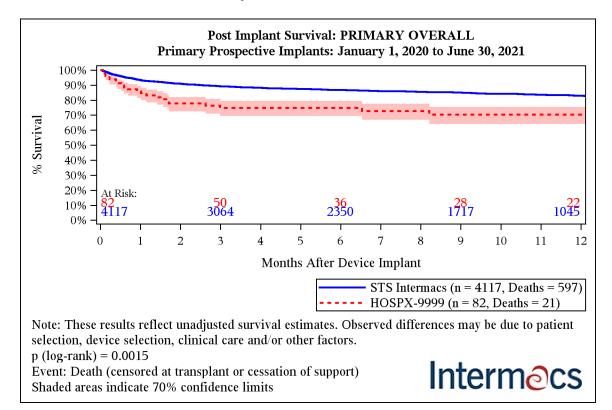
Exhibit 34b. Post Implant Survival - Device Sequence - HOSPX-9999

The following figure compares survival time on specific devices based on device sequence for your site. Each curve represents survival from the time the device was implanted until death. Patients are censored at transplant, explant for any reason, or the device was turned off.



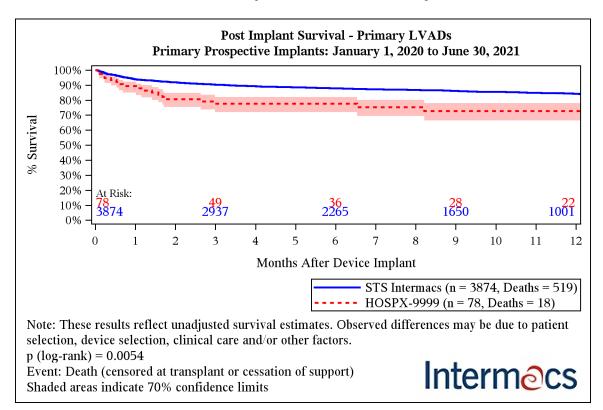
| Months after Device Implant | 1st Device | 2nd Device |
|--------------------------------------|---------------------|---------------------|
| 1 | 87.1% (82.7%-90.4%) | 50.0% (14.6%-77.9%) |
| 3 | 75.8% (70.4%-80.4%) | |
| 6 | 75.8% (70.4%-80.4%) | |
| 9 | 71.1% (65.0%-76.4%) | |
| 12 | 71.1% (65.0%-76.4%) | |

Exhibit 35. Post Implant Survival - PRIMARY OVERALL



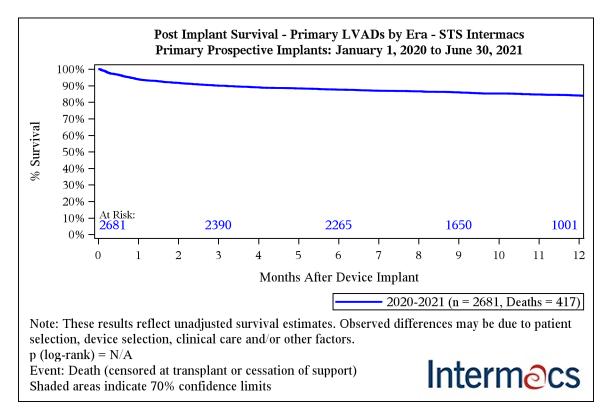
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 93.3% (92.9%-93.7%) | 85.9% (81.4%-89.4%) |
| 3 | 89.2% (88.7%-89.7%) | 74.8% (69.4%-79.5%) |
| 6 | 86.6% (86.1%-87.2%) | 74.8% (69.4%-79.5%) |
| 9 | 85.0% (84.3%-85.6%) | 70.2% (64.1%-75.5%) |
| 12 | 82.9% (82.2%-83.6%) | 70.2% (64.1%-75.5%) |

Exhibit 36. Post Implant Survival - Primary LVADs



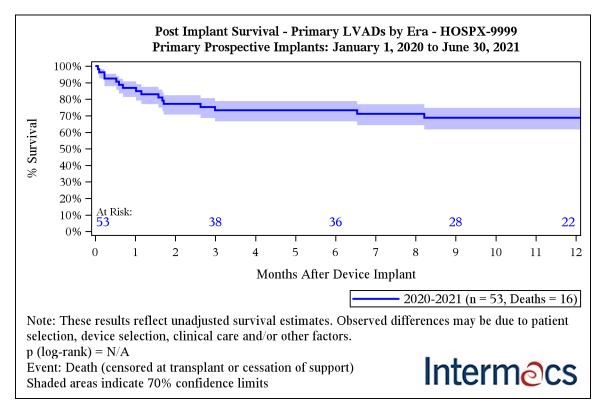
| Months after Device Implant | | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 93.9% (93.5%-94.3%) | 89.2% (85.0%-92.3%) |
| 3 | 90.2% (89.7%-90.7%) | 77.5% (72.1%-82.1%) |
| 6 | 87.8% (87.2%-88.3%) | 77.5% (72.1%-82.1%) |
| 9 | 86.1% (85.5%-86.7%) | 72.7% (66.6%-78.0%) |
| 12 | 84.2% (83.5%-84.9%) | 72.7% (66.6%-78.0%) |

Exhibit 37a. Post Implant Survival - Primary LVADs by Era - STS Intermacs



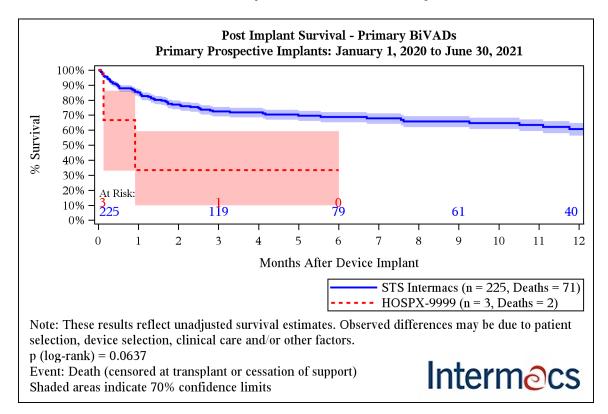
| Months after Device Implant | 2 | 020-2021 |
|--------------------------------------|-------|---------------|
| 1 | 93.8% | (93.3%-94.3%) |
| 3 | 89.9% | (89.3%-90.5%) |
| 6 | 87.6% | (86.9%-88.2%) |
| 9 | 85.9% | (85.2%-86.6%) |
| 12 | 84.0% | (83.3%-84.8%) |

Exhibit 37b. Post Implant Survival - Primary LVADs by Era - HOSPX-9999



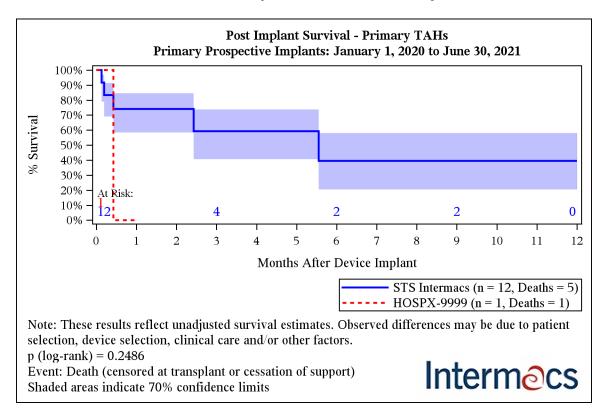
| Months after Device Implant | 2020-2021 |
|--------------------------------------|---------------------|
| 1 | 86.8% (81.3%-90.8%) |
| 3 | 73.3% (66.6%-78.9%) |
| 6 | 73.3% (66.6%-78.9%) |
| 9 | 68.8% (61.7%-74.8%) |
| 12 | 68.8% (61.7%-74.8%) |

Exhibit 38. Post Implant Survival - Primary BiVADs



| Months after Device Implant | | HOSPX-9999 |
|--------------------------------------|---------------------|--------------------|
| 1 | 85.0% (82.4%-87.3%) | 33.3% (9.9%-59.3%) |
| 3 | 72.4% (69.1%-75.4%) | 33.3% (9.9%-59.3%) |
| 6 | 68.7% (65.2%-72.0%) | 33.3% (9.9%-59.3%) |
| 9 | 65.8% (62.0%-69.3%) | |
| 12 | 60.7% (56.4%-64.7%) | |

Exhibit 39. Post Implant Survival - Primary TAHs

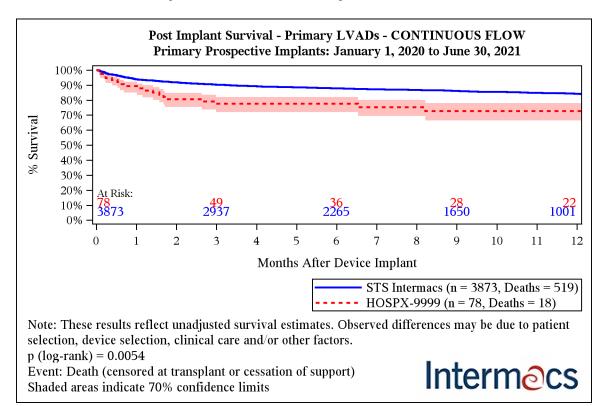


| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|------------------|
| 1 | 74.1% (58.4%-84.6%) | 0.0% (0.0%-0.0%) |
| 3 | 59.3% (40.7%-73.8%) | |
| 6 | 39.5% (20.5%-58.1%) | |
| 9 | 39.5% (20.5%-58.1%) | |
| 12 | 39.5% (20.5%-58.1%) | |

Exhibit 40. Post Implant Survival - Primary LVADs - PULSATILE FLOW

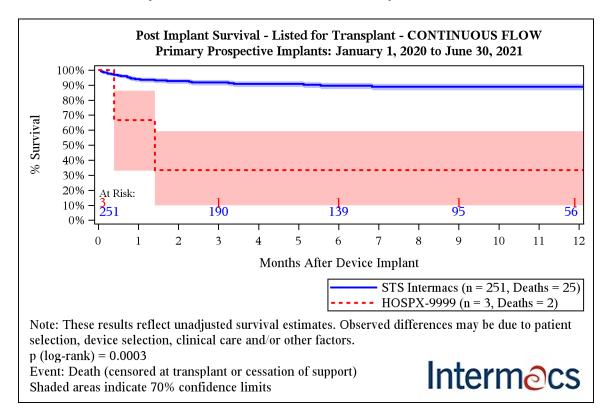
Not enough patients or events to produce exhibit

Exhibit 41. Post Implant Survival - Primary LVADs - CONTINUOUS FLOW



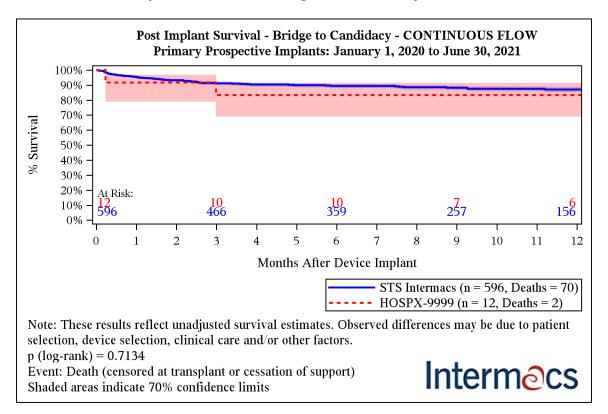
| Months after Device Implant | | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 93.9% (93.5%-94.3%) | 89.2% (85.0%-92.3%) |
| 3 | 90.2% (89.7%-90.7%) | 77.5% (72.1%-82.1%) |
| 6 | 87.8% (87.2%-88.3%) | 77.5% (72.1%-82.1%) |
| 9 | 86.1% (85.5%-86.7%) | 72.7% (66.6%-78.0%) |
| 12 | 84.2% (83.5%-84.9%) | 72.7% (66.6%-78.0%) |

Exhibit 42. Post Implant Survival - Listed for Transplant - CONTINUOUS FLOW



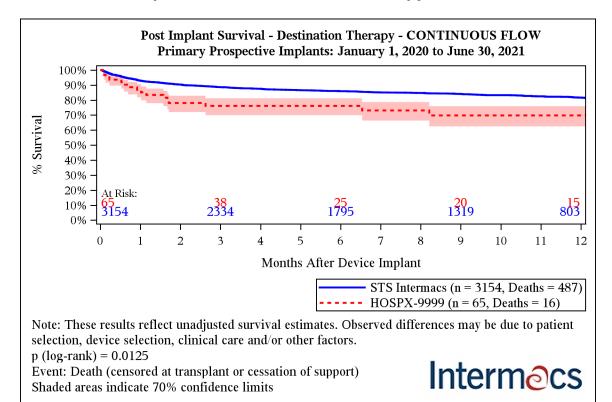
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 93.9% (92.2%-95.3%) | 66.7% (33.0%-86.2%) |
| 3 | 91.8% (89.8%-93.4%) | 33.3% (9.9%-59.3%) |
| 6 | 89.6% (87.3%-91.4%) | 33.3% (9.9%-59.3%) |
| 9 | 88.9% (86.5%-90.8%) | 33.3% (9.9%-59.3%) |
| 12 | 88.9% (86.5%-90.8%) | 33.3% (9.9%-59.3%) |

Exhibit 43. Post Implant Survival - Bridge to Candidacy - CONTINUOUS FLOW



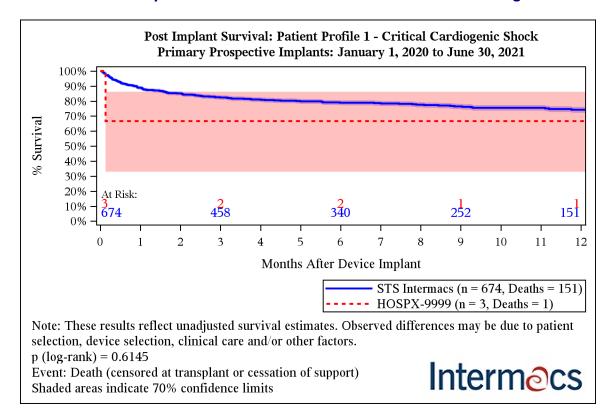
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 95.4% (94.4%-96.2%) | 91.7% (78.9%-96.9%) |
| 3 | 91.2% (89.9%-92.3%) | 83.3% (69.1%-91.4%) |
| 6 | 89.4% (88.0%-90.7%) | 83.3% (69.1%-91.4%) |
| 9 | 88.2% (86.7%-89.6%) | 83.3% (69.1%-91.4%) |
| 12 | 87.0% (85.4%-88.5%) | 83.3% (69.1%-91.4%) |

Exhibit 44. Post Implant Survival - Destination Therapy - CONTINUOUS FLOW



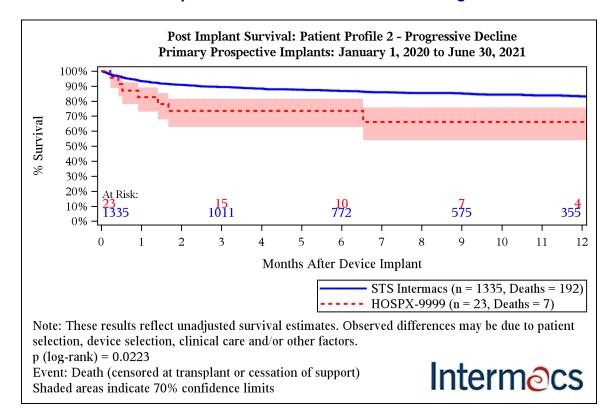
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 92.9% (92.4%-93.3%) | 86.9% (81.8%-90.6%) |
| 3 | 88.6% (88.0%-89.2%) | 76.1% (70.0%-81.2%) |
| 6 | 85.9% (85.3%-86.6%) | 76.1% (70.0%-81.2%) |
| 9 | 84.1% (83.3%-84.8%) | 69.8% (62.5%-75.9%) |
| 12 | 81.7% (80.8%-82.5%) | 69.8% (62.5%-75.9%) |

Exhibit 45a. Post Implant Survival: Patient Profile 1 - Critical Cardiogenic Shock



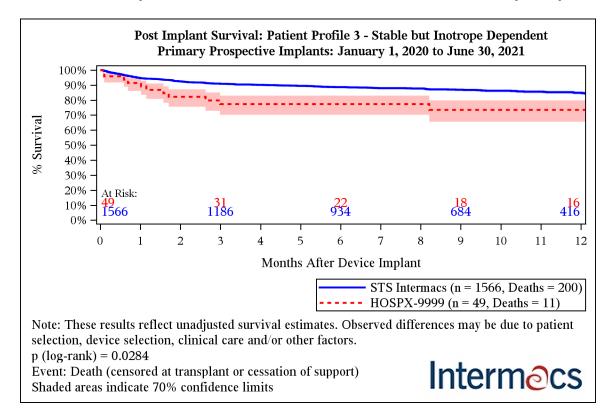
| Months after Device Implant | | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 88.9% (87.6%-90.1%) | 66.7% (33.0%-86.2%) |
| 3 | 82.4% (80.8%-83.8%) | 66.7% (33.0%-86.2%) |
| 6 | 78.9% (77.2%-80.5%) | 66.7% (33.0%-86.2%) |
| 9 | 76.5% (74.6%-78.2%) | 66.7% (33.0%-86.2%) |
| 12 | 74.2% (72.2%-76.1%) | 66.7% (33.0%-86.2%) |

Exhibit 45b. Post Implant Survival: Patient Profile 2 - Progressive Decline



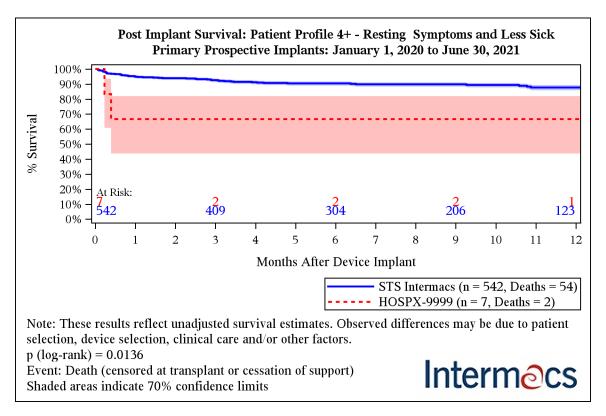
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 93.3% (92.6%-93.9%) | 82.6% (73.0%-89.1%) |
| 3 | 89.3% (88.4%-90.2%) | 73.4% (62.8%-81.5%) |
| 6 | 86.7% (85.7%-87.6%) | 73.4% (62.8%-81.5%) |
| 9 | 85.1% (84.0%-86.1%) | 66.1% (54.0%-75.7%) |
| 12 | 83.1% (81.9%-84.3%) | 66.1% (54.0%-75.7%) |

Exhibit 45c. Post Implant Survival: Patient Profile 3 - Stable but Inotrope Dependent



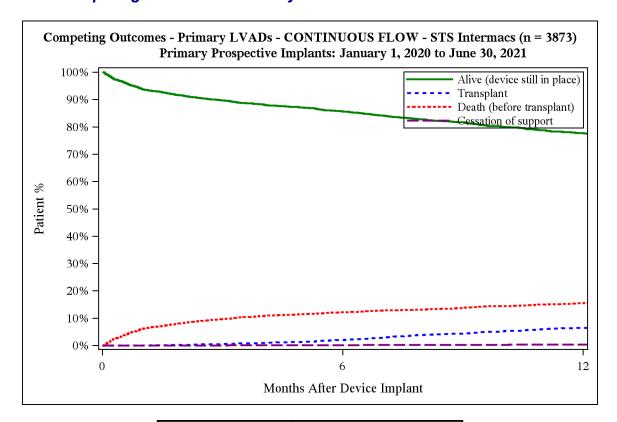
| Months after Device Implant | | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 94.7% (94.0%-95.2%) | 91.4% (86.2%-94.7%) |
| 3 | 90.8% (90.1%-91.6%) | 77.3% (70.2%-83.0%) |
| 6 | 88.6% (87.8%-89.5%) | 77.3% (70.2%-83.0%) |
| 9 | 86.9% (85.9%-87.8%) | 73.5% (65.6%-79.8%) |
| 12 | 84.9% (83.7%-85.9%) | 73.5% (65.6%-79.8%) |

Exhibit 45d. Post Implant Survival: Patient Profile 4+ Resting Symptoms and Less Sick



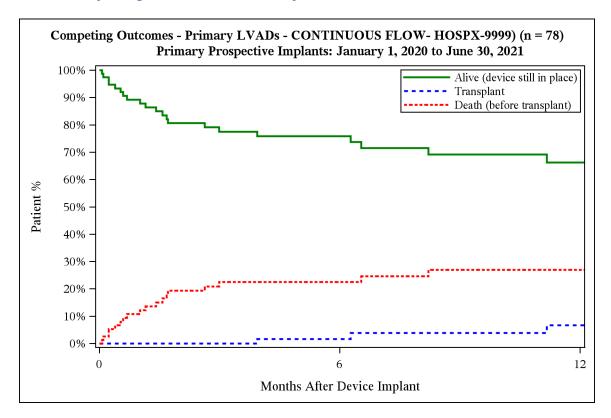
| Months after Device Implant | STS Intermacs | HOSPX-9999 |
|--------------------------------------|---------------------|---------------------|
| 1 | 94.9% (93.9%-95.8%) | 66.7% (43.8%-82.0%) |
| 3 | 92.6% (91.4%-93.7%) | 66.7% (43.8%-82.0%) |
| 6 | 90.4% (89.0%-91.7%) | 66.7% (43.8%-82.0%) |
| 9 | 89.8% (88.3%-91.1%) | 66.7% (43.8%-82.0%) |
| 12 | 87.7% (85.9%-89.3%) | 66.7% (43.8%-82.0%) |

Exhibit 46a. Competing Outcomes - Primary LVADs - CONTINUOUS FLOW - STS Intermacs



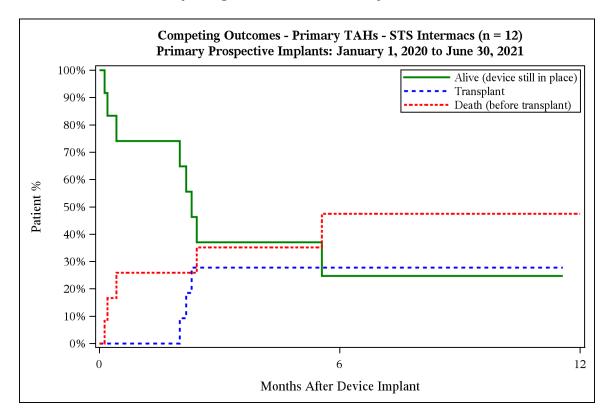
| Outcome | Months After Device Implant | | | | | | |
|-------------------------------|-----------------------------|-------|-------|-------|-------|--|--|
| Outcome | 1 | 3 | 6 | 9 | 12 | | |
| Alive (device still in place) | 93.8% | 89.6% | 85.7% | 81.6% | 77.7% | | |
| Transplant | 0.1% | 0.6% | 2.0% | 4.4% | 6.5% | | |
| Death (before transplant) | 6.1% | 9.7% | 12.2% | 13.8% | 15.5% | | |
| Cessation of support | 0.0% | 0.1% | 0.2% | 0.2% | 0.3% | | |
| Total | 100% | 100% | 100% | 100% | 100% | | |

Exhibit 46b. Competing Outcomes - Primary LVADs - CONTINUOUS FLOW - HOSPX-9999



| Outcome | Months After Device Implant | | | | | | |
|-------------------------------|-----------------------------|-------|-------|-------|-------|--|--|
| Outcome | 1 | 3 | 6 | 9 | 12 | | |
| Alive (device still in place) | 89.2% | 77.5% | 75.9% | 69.1% | 66.3% | | |
| Transplant | 0.0% | 0.0% | 1.7% | 3.9% | 6.7% | | |
| Death (before transplant) | 10.8% | 22.5% | 22.5% | 27.0% | 27.0% | | |
| Total | 100% | 100% | 100% | 100% | 100% | | |

Exhibit 47a. Competing Outcomes - Primary TAHs - STS Intermacs



| Outcome | Months After Device Implant | | | | | | |
|-------------------------------|-----------------------------|-------|-------|-------|-------|--|--|
| Outcome | 1 | 3 | 6 | 9 | 12 | | |
| Alive (device still in place) | 74.1% | 37.0% | 24.7% | 24.7% | | | |
| Transplant | 0.0% | 27.8% | 27.8% | 27.8% | | | |
| Death (before transplant) | 25.9% | 35.2% | 47.5% | 47.5% | 47.5% | | |
| Total | 100% | 100% | 100% | 100% | 47.5% | | |

Exhibit 47b. Competing Outcomes - Primary TAHs - HOSPX-9999
Not enough patients or events to produce exhibit

SITE: HOSPX - DEMO SITE REPORT

IV. Zone Conditions: Hemolysis, Hypertension, and Right Heart Failure

The following Exhibits consist of data collected regarding the three "Zone Conditions": Hemolysis, Hypertension, and Right Heart Failure. These zones were added to the STS Intermacs released in June of 2014. The zone sections, including data fields and flag calculations, were added to the Web Based Data Entry (WBDE) system. In the WBDE, the flags are calculated on any applicable form that is updated by a user after the release date, and the flags are displayed in the WBDE (on the Patient Summary). The report exhibits on the following pages provide useful, clinical analysis of the flags by adding comparison to the STS Intermacs Aggregate Group, and include some further division into relevant categories, such as classification of severity, and timing.

Note: Further information on the calculation and processing of the Zone Conditions can be found on the Intermacs.org website, in the Reports FAQ section. For any queries about the zone conditions or the exhibits, please don't hesitate to contact the Intermacs Data Warehouse and Analytics Center.

SITE: HOSPX - DEMO SITE REPORT

Exhibit 48a: Hemolysis Evaluation Condition Coverage at Follow-up

The table below consists of data that was collected in the Hemolysis Zone for each Follow-Up interval. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit. In the 'Unable to Evaluate' column, the condition could not be evaluated due to missing variables.

GROUP=HOSPX-9999

| Follow-up | | Hemolysis Evaluation Condition | | |
|-----------|-----|--------------------------------------|--------|--|
| Visit | AII | | uated | |
| | Ν | N | % | |
| 3 Month | 37 | 37 | 100.00 | |
| 6 Month | 27 | 27 100.00 | | |
| 1 Year | 10 | 10 | 100.00 | |

| | | | Hemolysis Evaluation | | | | | |
|--------------------|------|---------------------------|-------------------------|------|--------------------|--|--|--|
| Follow-up Visit | All | Unable to C Evaluate E | | | ndition aluated | | | |
| | N | N | % | N | % | | | |
| 3 Month | 2755 | 136 | 4.94 | 2619 | 95.06 | | | |
| 6 Month | 2033 | 100 | 4.92 | 1933 | 95.08 | | | |
| 1 Year | 771 | 28 | 3.63 | 743 | 96.37 | | | |

SITE: HOSPX - DEMO SITE REPORT

IV. Zone Conditions: Hemolysis

Exhibit 48b: Hemolysis Major and Minor Condition Coverage at Follow-up

The table below consists of patients who had Major or Minor Hemolysis Conditions for each Follow-Up interval. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit.

GROUP=HOSPX-9999

| Follow-up | | Hemolysis Condition | | | | | | |
|-----------|-----|---------------------|-----------|-------|-------|----|-------|--|
| Visit | All | Major | | Minor | | No | | |
| | N | N | N % N % N | | | | % | |
| 3 Month | 37 | 2 | 5.41 | 5 | 13.51 | 30 | 81.08 | |
| 6 Month | 27 | 1 | 3.70 | 1 | 3.70 | 25 | 92.59 | |
| 1 Year | 10 | 1 | 10.00 | 2 | 20.00 | 7 | 70.00 | |

| Follow-up | | Hemolysis Condition | | | | | | | |
|-----------|------|---------------------|------|-------|-------|------|-------|--|--|
| Visit | All | Ma | ajor | Minor | | No | | | |
| | N | N | % | N | % | N | % | | |
| 3 Month | 2619 | 54 | 2.06 | 349 | 13.33 | 2216 | 84.61 | | |
| 6 Month | 1933 | 25 | 1.29 | 220 | 11.38 | 1688 | 87.33 | | |
| 1 Year | 743 | 16 | 2.15 | 104 | 14.00 | 623 | 83.85 | | |

SITE: HOSPX - DEMO SITE REPORT

Exhibit 48c: Hypertension Evaluation Condition Coverage at Follow-up

The table below consists of data that was collected in the Hypertension Zone for each Follow-Up interval. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit. In the 'Unable to Evaluate' column, the condition could not be evaluated due to missing variables.

GROUP=HOSPX-9999

| | | | Hypertension Evaluation | | | | | |
|--------------------|-----|----|----------------------------|----|-----------------|--|--|--|
| Follow-up Visit | AII | | ble to luate | | dition uated | | | |
| | N | N | % | N | % | | | |
| 3 Month | 37 | 21 | 56.76 | 16 | 43.24 | | | |
| 6 Month | 27 | 15 | 55.56 | 12 | 44.44 | | | |
| 1 Year | 10 | 8 | 80.00 | 2 | 20.00 | | | |

| | | Hypertension Evaluation | | | | | |
|--------------------|------|----------------------------|-----------------|------------------------|-------|--|--|
| Follow-up Visit | All | | ble to luate | Condition Evaluated | | | |
| | N | N | % | N | % | | |
| 3 Month | 2755 | 662 | 24.03 | 2093 | 75.97 | | |
| 6 Month | 2033 | 458 | 22.53 | 1575 | 77.47 | | |
| 1 Year | 771 | 194 | 25.16 | 577 | 74.84 | | |

SITE: HOSPX - DEMO SITE REPORT

Exhibit 48d: Hypertension No or Yes Condition Coverage at Follow-up

The table below consists of patients who did or did not have Hypertension Conditions for each Follow-Up interval. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit.

GROUP=HOSPX-9999

| Follow-up | | Hypertension Condition | | | | | |
|-----------|-----|---------------------------|-------|--------|--------|--|--|
| Visit | All | Н | ITN | No HTN | | | |
| | Ν | N % | | N | % | | |
| 3 Month | 16 | | | 16 | 100.00 | | |
| 6 Month | 12 | 1 | 8.33 | 11 | 91.67 | | |
| 1 Year | 2 | 1 | 50.00 | 1 | 50.00 | | |

| Follow-up | | Hypertension Condition | | | | | |
|-----------|------|---------------------------|------|--------|-------|--|--|
| Visit | All | HTN | | No HTN | | | |
| | N | N % | | N | % | | |
| 3 Month | 2093 | 79 | 3.77 | 2014 | 96.23 | | |
| 6 Month | 1575 | 69 | 4.38 | 1506 | 95.62 | | |
| 1 Year | 577 | 20 | 3.47 | 557 | 96.53 | | |

SITE: HOSPX - DEMO SITE REPORT

IV. Zone Conditions: Right Heart Failure

Exhibit 48e: Right Heart Failure Evaluation Condition Coverage at Follow-up

The table below consists of data that was collected in the Right Heart Failure Zone for each Follow-Up interval. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit. In the 'Unable to Evaluate' column, the condition could not be evaluated due to missing variables.

GROUP=HOSPX-9999

| | | R | HF E | valuat | ion | | |
|--------------------|-----|-----------------------|------|---------------------|--------|--|--|
| Follow-up Visit | All | Unable to Evaluate | | Unable to Condition | | | |
| | Ν | N | % | N | % | | |
| 3 Month | 37 | 1 | 2.70 | 36 | 97.30 | | |
| 6 Month | 27 | | | 27 | 100.00 | | |
| 1 Year | 10 | | | 10 | 100.00 | | |

| | | R | RHF Evaluat | | | | |
|--------------------|------|-----|-------------|------------------------|-------|--|--|
| Follow-up Visit | All | | | Condition Evaluated | | | |
| | N | N | % | N | % | | |
| 3 Month | 2755 | 121 | 4.39 | 2634 | 95.61 | | |
| 6 Month | 2033 | 74 | 3.64 | 1959 | 96.36 | | |
| 1 Year | 771 | 33 | 4.28 | 738 | 95.72 | | |

SITE: HOSPX - DEMO SITE REPORT

Exhibit 48f: Right Heart Failure Evaluation Condition Coverage at Follow-up

The table below consists of patients who Right Heart Failure for each Follow-Up interval, including analysis of severity. Patients that were implanted with a Primary Device on or after June 2, 2014 are analyzed in this exhibit. For full details on how each severity level is calculated, please check the Reports FAQ section on the Intermacs.org website.

GROUP=HOSPX-9999

| | | RHF Condition | | | | | | | |
|--------------------|-----|---------------|--------|------------------|------|----------------------------------|------|--|--|
| Follow-up Visit | All | 1. No RHF | | 3. RHF (Mild) | | 4. RHF (Inotropic Support) | | | |
| | N | N | % | N | % | N | % | | |
| 3 Month | 36 | 34 | 94.44 | 1 | 2.78 | 1 | 2.78 | | |
| 6 Month | 27 | 27 | 100.00 | | | | | | |
| 1 Year | 10 | 10 | 100.00 | | | | | | |

| | | RHF Condition | | | | | | | | |
|--------------------|------|---------------|-------|----------------------|------|----------------------------------|------|-----------------------------|------|--|
| Follow-up Visit | All | 1. No RHF | | 3. RHF RHF (Mild) | | 4. RHF (Inotropic Support) | | 5. RHF (RVAD Support) | | |
| | N | N | % | N | % | N | % | N | % | |
| 3 Month | 2634 | 2334 | 88.61 | 107 | 4.06 | 188 | 7.14 | 5 | 0.19 | |
| 6 Month | 1959 | 1802 | 91.99 | 72 | 3.68 | 81 | 4.13 | 4 | 0.20 | |
| 1 Year | 738 | 665 | 90.11 | 36 | 4.88 | 37 | 5.01 | | | |

COVERAGE: January 1, 2020 - June 30, 2021 SITE: HOSPX - DEMO SITE REPORT

Exhibit 49: Patients Implanted at your Center but Excluded from the Cumulative - All Patient Report

| Excluded | | |
|----------|--|----------|
| Patient | Fuelveier Beesen | Implant |
| | Exclusion Reason | Year |
| | Retrospective Patient | 2006 |
| | Pediatric Patient (Age<19) | 2007 |
| | Patient Implant Date Outside of Report Coverage | |
| | Pediatric Patient (Age<19) | 2011 |
| | Pediatric Patient (Age<19) | 2011 |
| 5561 | Retrospective Patient | 2010 |
| 5590 | Retrospective Patient | 2010 |
| 5591 | Retrospective Patient | 2010 |
| 5593 | Retrospective Patient | 2010 |
| 7012 | Pediatric Patient (Age<19) | 2012 |
| 107122 | Retrospective Patient | 2015 |
| 116990 | Retrospective Patient | 2018 |
| 125366 | Implant, Pre-Implant, or Patient form not validate | d 2020 |
| 125722 | Implant, Pre-Implant, or Patient form not validate | d 2020 |
| 126037 | Implant, Pre-Implant, or Patient form not validate | d 2020 |
| 126223 | Implant, Pre-Implant, or Patient form not validate | d 2020 |
| 126245 | Implant, Pre-Implant, or Patient form not validate | d 2020 |
| 126375 | Implant, Pre-Implant, or Patient form not validate | 1 2020 |
| 126411 | Implant, Pre-Implant, or Patient form not validate | 2020 |
| 126738 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 126823 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 126928 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 127069 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 127251 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 127334 | Implant, Pre-Implant, or Patient form not validate | 2021 |
| 127727 | Implant, Pre-Implant, or Patient form not validate | d 2021 |
| 127743 | Implant, Pre-Implant, or Patient form not validate | d 2021 |
| 127744 | Implant, Pre-Implant, or Patient form not validate | d 2021 |
| 127829 | Implant, Pre-Implant, or Patient form not validate | 1 2021 |
| | Implant, Pre-Implant, or Patient form not validate | |
| | Implant, Pre-Implant, or Patient form not validate | - |
| | Implant, Pre-Implant, or Patient form not validate | |

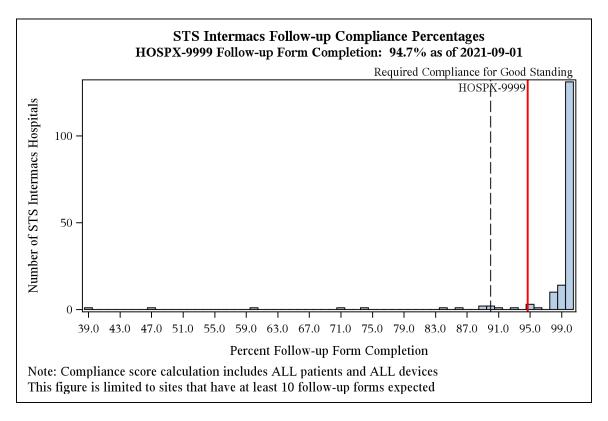
SITE: HOSPX - DEMO SITE REPORT

III. Registry Compliance

Exhibit 50. Compliance

Site compliance is determined by the percentage of all follow-up forms that are due during this reporting period that have been completed. **This calculation has been updated to include ALL follow-up forms expected for ALL patients and ALL devices.** Only active sites that have at least 10 follow-up forms due are included in this figure (n = 172 sites). This exhibit is the same in both cumumlative and recent report. It is based on all follow-up forms.

STS Intermacs has defined required compliance as 90%. If your hospital is below 90%, please examine your patient follow-up table that is contained in the STS Intermacs Data Quality Quarterly Report. This table will identify the exact patients who have a 'past due' follow-up form.



V. Glossary

BiVAD: BiVentricular Assist Device

BMI: Body Mass Index BP: Blood Pressure BSA: Body Surface Area BTC: Bridge to Candidacy BUN: Blood Urea Nitrogen

CMS: Centers for Medicare and Medicaid COPD: Chronic Obstructive Pulmonary Disease

CNS: Central Nervous System CRP: C - Reactive Protein CVA: Cerebrovascular Accident DCC: Data Coordinating Center

ECMO: Extracorporeal-membrane Oxygenation

EQ-5D: Euro Quality of Life

DT: Destination Therapy

FDA: Federal Drug Administration

HF: Heart Failure

IABP: Intra-Aortic Balloon Pump

IgG: Immunoglobulin G

INR: International Normalized Ratio

Intermacs: Interagency Registry for Mechanically Assisted Circulatory Support

LVAD: Left Ventricular Assist Device LVEF: Left Ventricular Ejection Fraction

LVEDD: Left Ventricular End Diastolic Dysfunction

LVSF: Left Ventricular Shortening Fraction MCSD: Mechanically Circulatory Support Device NHLBI: National Heart Lung and Blood Institute

NT pro brain natriuretic peptide: N-Terminal pro brain Natriuretic peptide

NYHA: New York Heart Association

OR: Operating Room Regurg: Regurgitation

RVAD: Right Ventricular Assist Device RVEF: Right Ventricular Ejection Fraction

SAE: Serious Adverse Event

SGOT-AST: Serum Glutamic Oxaloacetic Transaminase SGPT-ALT: Serum Glutamic Pyruvic Transaminase

STS: Society of Thoracic Surgeons

TAH: Total Artificial Heart
TIA: Transient Ischemic Attack
VAD: Ventricular Assist Device
VAS: Visual Analog Scale