# **AMERICAN SOCIETY OF PERIANESTHESIA NURSES NATIONAL NURSING CONFERENCE 2021**



## Implementing an Enhanced Recovery After Surgery Joint Replacement Program in a Small Acute Hospital Using a Multi-Disciplinary Approach Dr. Luis Corrales, MD, Cynthia Lopez, MSN, NP, RN, Suzi Johnson, PT, Michelle Marmol, MSN, BSN, RN, PCCN, Noriann Forrest- Readdy

## BACKGROUND

• Total joint replacement surgery has become one of the most commonly performed surgeries across the United States. With this increase in number, years of evidenced based research have gone into this specific population to ensure that the practice is standardized and regulated. With evidenced based research (EBP), patients are then cared for in the safest way possible.

 Several orthopedic surgeons came to the facility without standardization of care. Medications, pre-op standards, intra-op medications, and even post-operative care all varied across the continuum. • Casa Colina Hospital started elective surgeries in 2017 with a significant amount of cases being either total hip or total knee replacement surgeries.

• As of 2020, there have been a total of 846 total joint replacement surgeries performed alone. • Without standard protocols in place for total joint surgery, a multi-disciplinary approach team was formed and created under the vision of Dr. Luis Corrales, MD.

• Standardization of care across the patient continuum became a reality along with the creation of clinical practice guidelines (CPGS) formulated after the Enhanced Recovery After Surgery Model (ERAS) and evidenced based research.

• Using Dr. Corrales' expertise, the team collaborated to formulate the foundation that would be used to introduce protocols, guidelines, and standards of work to normalize the process, identify areas of improvement, and guarantee patient safety.

• With the incorporation of the Revive Joint Program, patients have experienced enhanced recovery along with significantly lowered risks of infection or readmission rates.

## METHODS

### <u>Step I: Form a</u> **Multi-Disciplinary Team**

- Dr. Luis Corrales, MD (Director)
- Dr. Fadi Tahrawi, DO (Anesthesia)
- Ms. Cynthia Lopez, NP
- Suzi Johnson, PT (Joint Navigator)
- Nori Forrest-Readdy (Quality)
- Ligia Lanuza (Total Joint class [Spanish] and Med-surg RN)
- Michelle Marmol, RN (Preop/Pacu)
- Rachel Johnson, OR RN
- Monica Scholfield, RN (Pre-admit testing clinic)

### **Step II: Gather Research and Form**

- EBP gathered from varying regulated bodies and standard of work
- Identify key players or core group of Revival to review research and data
- Get input from other Advanced Certif surrounding area
- Create a pre-admission testing clinic to reasonable elective surgeries to ensure medical clearar completed before surgery
- Review articles and guidelines published from, CMS, The Journal of Arthroplasty, The Bone AORN, ASPAN, American Academy of O American Society of Anesthesiologists

### **Step IV: Surgery**

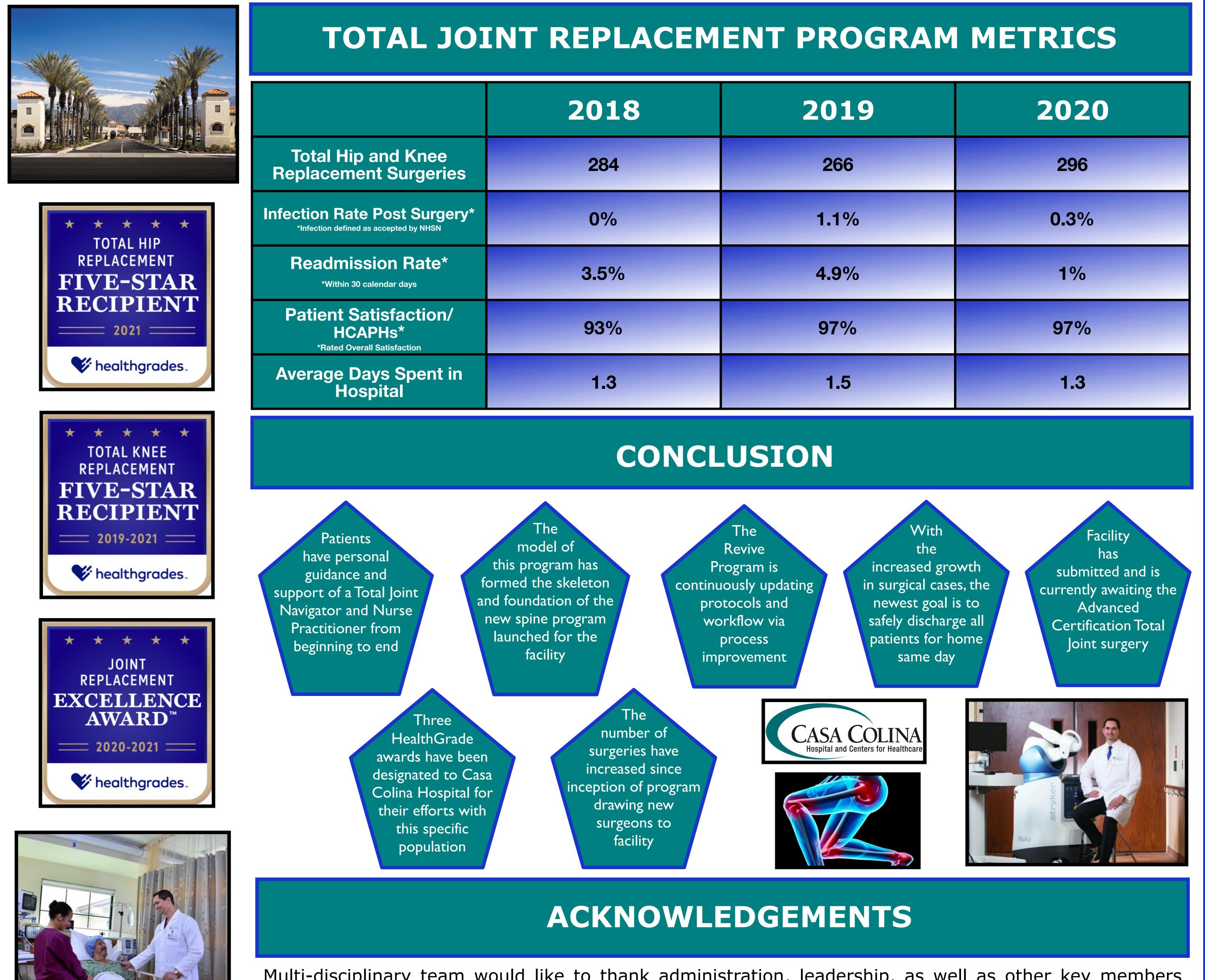
- Standardize medication order sets for: pre-op, With quarterly meetings to se intra-op, post op, and med-surg
- Patient goals established and reviewed with patient in every department
- Reduced use of Foley catheter intra-op and post op using POUR scale
- Mandatory spinal anesthesia or alternative nerve block administered
- •Ambulation within hours of surgery

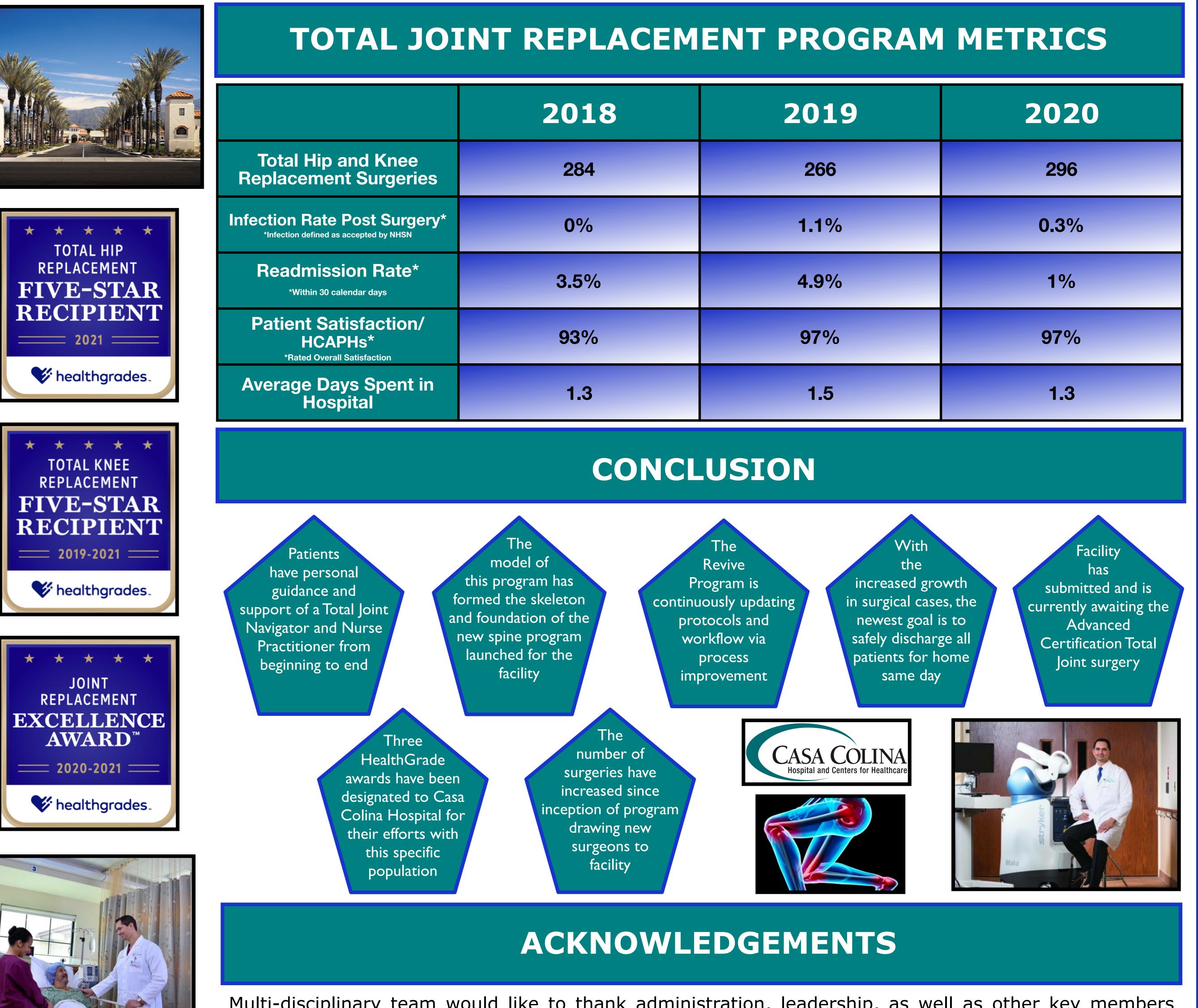
### **Step IV: Constant Colla**

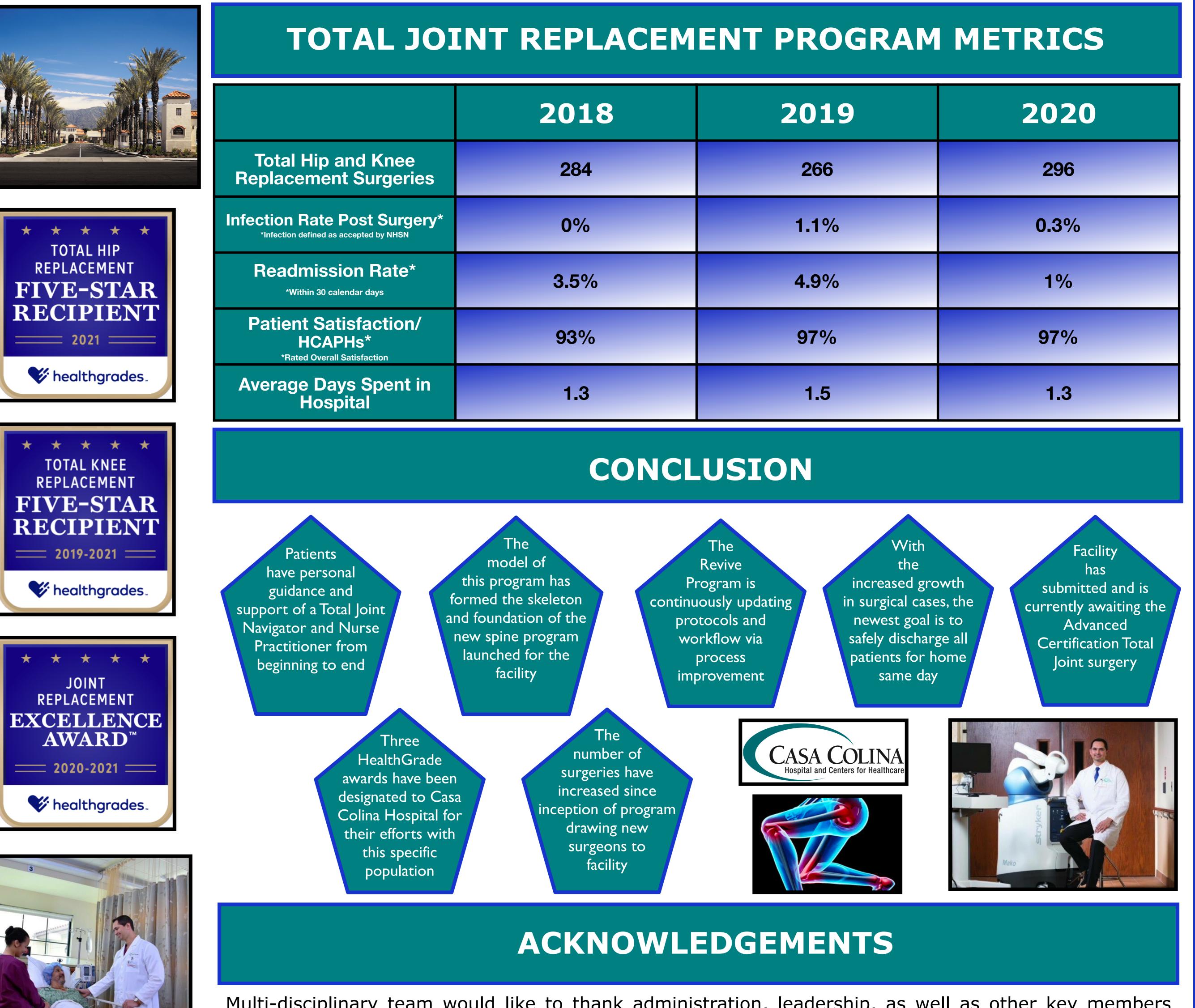
- process and improvement, frequen happens between surgeons, the Joi key stakeholders
- When patients are identified as at additional scrutiny in the pre-adn members of the total joint tear ensure that elective surgery is safe

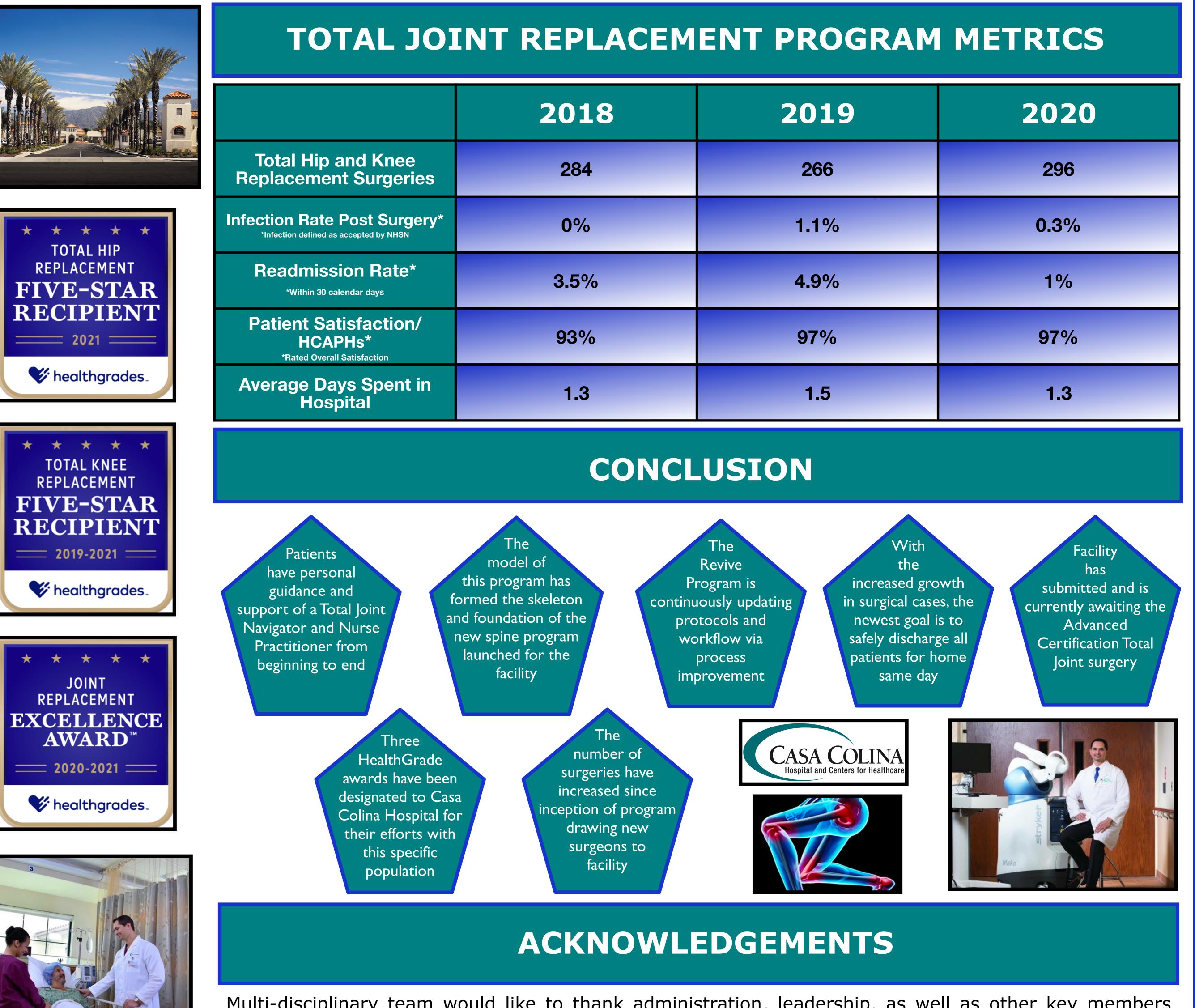
Casa Colina Hospital and Centers for Healthcare

nulate CPGS	<b>Step III: Put Evidence into Action</b>
to formulate CPGS	<ul> <li>Regulated requirements for candidacy for elective surgery along with medical clearance</li> </ul>
Total Joint Program	
fied Hospitals in	<ul> <li>24-7 Access to Joint Navigator beginning with scheduling of surgery</li> </ul>
egulate and screen nce and education	orthopedic trained care across the continuum of care
, but not limited to:	
and Joint Journal, thopedic Surgeons,	
	Stop Va Novt Stops with Continued Crowth
boration ek and improve it collaboration is	<ul> <li>Step V: Next Steps with Continued Growth</li> <li>The facility has since acquired two additional total joint orthopedic surgeons</li> </ul>
int Navigator, and	• The facility is in the process of looking to the next steps of Advanced Certification for Total Joint Replacement
risk, or may need nission clinic, key n are alerted to	<ul> <li>Surgery</li> <li>On going protocols and guidelines have been formulated for same day discharges</li> </ul>
to proceed	









Multi-disciplinary team would like to thank administration, leadership, as well as other key members that of the multi-disciplinary team at Casa Colina Hospital and Centers for Healthcare which have helped to make the program what it is today. The program is on-going with continued process improvement. Contact: Michelle Marmol / michmarm@gmail.com



2019	2020
<b>266</b>	<b>296</b>
1.1%	0.3%
4.9%	1%
97%	97%
1.5	1.3