To promote quality improvement, Cleveland Clinic Florida has created a series of Outcomes books similar to this one for many of its departments. Designed for a physician audience, the Outcomes books contain a summary of our surgical and medical trends and approaches, data on patient volumes and outcomes, and a review of new technologies and innovations.

Although we are unable to report all outcomes for all treatments provided at Cleveland Clinic Florida — omission of outcomes for a particular treatment does not necessarily mean we do not offer that treatment — our goal is to increase outcomes reporting each year. When outcomes for a specific treatment are unavailable, we often report process measures associated with improved outcomes. When process measures are unavailable, we may report volume measures; a volume/outcome relationship has been demonstrated for many treatments, particularly those involving surgical techniques.

In addition to our internal efforts to measure clinical quality, Cleveland Clinic Florida supports transparent public reporting of healthcare quality data and participates in the following public reporting initiatives:

- Joint Commission Performance Measurement Initiative (qualitycheck.org)
- Centers for Medicare & Medicaid (CMS) Hospital Compare (hospitalcompare.hhs.gov)
- Agency for Healthcare Administration (ahca.myflorida.com)
- Centers for Disease Control and Prevention (cdc.gov)

Our commitment to providing accurate, timely information about patient care also will help patients and referring physicians make informed healthcare decisions.

We hope you find these data valuable. To view all our Outcomes books, please visit our website at clevelandclinicflorida.org.
Dear Colleague:

On behalf of Cleveland Clinic Florida, I am proud to present our 2010 Outcomes books. Each book is compiled by area of specialty to demonstrate our commitment to accountability, transparency and most of all, to outstanding patient care.

These books are designed to help you and your patients make informed decisions about treatments and referrals. We consider it a privilege to work in partnership with you to care for your patients, and we continuously challenge ourselves to improve and to achieve excellent outcomes on their behalf.

Each publication includes outcomes, volumes and other data, along with recent innovations and publications.

We hope you find the content informative.

Sincerely,

Bernie Fernandez, MD
Chief Executive Officer
Cleveland Clinic Florida
What’s Inside

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In the Department of Orthopaedics, we realize that quality counts when making a decision to refer a patient to a hospital or physician. This outcomes booklet contains a summary of our department’s surgical and medical trends and approaches. Our department is complete with subspecialists who evaluate and treat all disorders of the musculoskeletal system. Outcomes reporting reinforces our commitment to enhancing care and achieving excellence for our patients and referring physicians.

Thank you for your interest in the Cleveland Clinic Florida Department of Orthopaedics 2010 outcomes.

Sincerely,

Gregory J. Gilot, MD
Chairman, Department of Orthopaedics
Cleveland Clinic Florida orthopaedic surgeons are highly trained in the latest techniques to treat the full spectrum of orthopaedic conditions, from simple fractures to sports injuries and joint replacement.

Our orthopaedic team focuses on diseases, injuries and conditions affecting the body’s musculoskeletal system, including the joints, ligaments and tendons. We achieve excellent medical outcomes by taking a multidisciplinary approach, working closely with specialists from related departments.

The services we offer include complex primary and revision joint replacement including minimally invasive joint replacement surgery, reverse shoulder arthroplasty and minimally invasive direct anterior hip replacement surgery. Services also include advanced arthroscopic techniques of the hip, knee, ankle, shoulder and elbow.

### 2010 Statistics

**Orthopaedic Group Practice**

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Total clinic visits</td>
<td>20,145</td>
</tr>
<tr>
<td>Number of surgeries</td>
<td>1,084</td>
</tr>
<tr>
<td>Total admissions</td>
<td>481</td>
</tr>
</tbody>
</table>
Quality and Outcome Measures

Surgery

Approximately 85 percent of our practice involves joint arthroscopy and arthroplasty, including complex revision surgery.

Arthroscopy (N = 503) 2010

- Meniscus: 43%
- Knee Ligament: 11%
- Knee Other: 8%
- Rotator Cuff: 12%
- Impingement: 16%
- Shoulder Other: 10%

Arthroplasty (N = 419) 2010

- Hip: 45%
- Knee: 37%
- Shoulder: 5%
- Revision: 13%
Average Length of Stay
2010

![Graph showing the average length of stay for 2010 for Cleveland Clinic Florida and U.S. Hospitals.](image)

Complication Rate
2010

![Graph showing the complication rate for 2010 for Cleveland Clinic Florida and U.S. Hospitals.](image)
The surgical care improvement program (SCIP) is a national campaign aimed at reducing surgical complications by 25 percent by the year 2010. SCIP is sponsored by the Centers for Medicare & Medicaid Services (CMS) in collaboration with a number of other national partners serving on the steering committee, including the American Hospital Association (AHA), Centers for Disease Control and Prevention (CDC), Institute for Healthcare Improvement (IHI), The Joint Commission and others. Cleveland Clinic Florida is committed to improving the care of surgical patients and participates in SCIP.

**Antibiotics Prophylaxis Use**

**2010**

![Antibiotics Prophylaxis Use Chart](chart.png)
Surgical Prophylaxis
2010

Patients

- Appropriate Perioperative Betablockade
- Temperature Management
- Surgery Patients With Appropriate Hair Removal
- Appropriate VTE Prophylaxis
- Timely Appropriate VTE

Cleveland Clinic Florida
Florida Hospitals
U.S. Hospitals
We ask our patients about their experiences and satisfaction with the services provided by our staff. Although our patients are already indicating we provide excellent care, we are committed to continuous improvement.

Below are the most recent results of the feedback that our patients have given to our department.

**Overall Rating of Outpatient Care and Services During Outpatient Visit (N = 305) 2010**

![Bar chart showing the distribution of patient ratings.](chart)

Source: Press Ganey, a national hospital survey vendor
Patient Experience

Rating of Outpatient Care Provider (N = 307) 2010

Source: Press Ganey, a national hospital survey vendor

Likelihood of Recommending Outpatient Care Provider (N = 305) 2010

Source: Press Ganey, a national hospital survey vendor
Inpatient

With the support of the Centers for Medicare & Medicaid Services (CMS) and its partner organizations, the first national standard patient experience hospital survey (HCAHPS) was implemented in late 2006. Results collected for reporting are available at hospitalcompare.hhs.gov.

HCAHPS Overall Assessment (N = 1750) 2010

Source: Press Ganey, a national hospital survey vendor

HCAHPS Domains of Care (N = 1750) 2010

Source: Press Ganey, a national hospital survey vendor
Cleveland Clinic Florida orthopaedic surgeons are highly trained in the latest techniques to treat the full spectrum of orthopaedic conditions. Below are some of the routine and innovative treatments we provide:

**Complex primary and revision joint replacement**
We provide comprehensive tertiary care for the most complex joint replacement surgery.

**Minimally invasive joint replacement surgery**
We offer qualified surgical candidates options in minimally invasive hip, knee and shoulder replacement. These techniques minimize postoperative pain and accelerate rehabilitation.

**Minimally invasive direct anterior hip replacement surgery**
Cleveland Clinic Florida is one of the only hospitals in the region to offer minimally invasive direct anterior hip replacement surgery, an advanced procedure involving no cutting of muscle. The procedure spares any invasion into the large muscle or tendon groups around the hip and is usually done through a smaller incision.

**Reverse shoulder arthroplasty**
Total shoulder joint replacement is usually required for those who have severe forms of osteoarthritis or rheumatoid arthritis. More rarely, it is required for those who have sustained severe trauma from a shoulder fracture and those who have lost the function of the rotator cuff. Reverse shoulder arthroplasty provides the only solution for such complex cases.

**Arthroscopic surgery**
Advanced arthroscopic techniques for the treatment of shoulder, elbow, hip, knee and ankle disorders offer patients the least invasive form of treatment. We offer wide-ranging arthroscopic solutions for the recreational or elite athlete, including revision rotator cuff repair, multiligamentous knee reconstruction and the All-Inside ACL reconstruction.
Hip arthroscopy

Hip arthroscopy allows us to bridge the gap of early and late degenerative disease of the hip joint with joint preserving minimally invasive procedures.

Arthroscopic rotator cuff repair with graft augmentation

For the complex shoulder patient who has failed prior rotator cuff surgery, graft augmentation can offer an improved healing response and can be performed with a minimally invasive arthroscopic approach.

Interventional musculoskeletal medicine

Through the use of in-office ultrasound image guidance, our nonoperative sports medicine specialists are able to instantly diagnose musculoskeletal disorders and injuries. Nonoperative intervention includes joint fluid aspiration as well as accurate joint cortisone and protein rich plasma injections.


Active Research Studies

David Westerdahl, MD
A randomized prospective study to evaluate the effectiveness of orthopedic spinal supports in the treatment of low back pain

Gregory Gilot, MD
An open label, multi-center, prospective clinical outcomes data collection to evaluate the equinoxe shoulder system

Gregory Gilot, MD
Surgical outcome following arthroscopic fixation of acromioclavicular joint disruption: A case series (chart review)

Preetesh Patel, MD
Orthopedic implant registry

Gregory Gilot, MD
Open and arthroscopic surgical management of shoulder pathology

Gregory Gilot, MD
Outcomes of reverse shoulder arthroplasty in the treatment of failed shoulder arthroplasty (chart review)

Gregory Gilot, MD
Retrospective analysis of proximal humerus fracture fixation utilizing locking plate construct: Results and hypothesis (chart review)

Christopher Blair, DO
Comparative outcome analysis of conventional shoulder arthroplasty and reverse total shoulder arthroplasty in fifty-two cases (chart review)

Christopher Blair, DO
Repair of anterior joint capsule defect using achilles tendon allograft in three cases of chronic shoulder instability (chart review)
Gregory Gilot, MD
Locking plate fixation of proximal humerus fractures with use of the exactech equinoxe proximal humerus fracture plate

Amar Mutnal, MD
Initial anterior hip arthroplasty experience with or without a specialized table (chart review)

Amar Mutnal, MD
Shoulder arthroscopy with and without mini-open subpectoral biceps tenodesis (chart review)

Gregory Gilot, MD
An open label, multi-center, retrospective and prospective evaluation of shoulder arthroplasty clinical and radiographic outcomes

Amar Mutnal, MD
The effect of circumferential ring retraction on wound appearance in minimally invasive total hip arthroplasty: A prospective, randomized study

Amar Mutnal, MD
Radiographic assessment of implant positioning in direct anterior total hip arthroplasty with use of intraoperative fluoroscopy (chart review)

David Westerdahl, MD
Assessment of elbow stability before and after ucl reconstruction using ultrasound imaging
Staff Listing

Gregory Gilot, MD
*Chairman*

Preetesh Patel, MD

Evan Peck, MD

Juan Suarez, MD

Brian Leo, MD

Jeffrey Wu, MD

David Westerdhal, MD

Elizabeth Scheiber, DPM
General Patient Referral
24/7 hospital transfer or physician consults
954.689.5150

General Patient Information
Toll-free: 877.463.2010

Referring Physician Center
For help with service issues, information about clinical specialists and services, details about CME opportunities and more:
954.659.5162
physicianrelations@ccf.org

Global Patient Services
Patient Services Center
954.659.5080
Toll-free: 877.463.2010
flgps@ccf.org
Cleveland Clinic Florida Locations

**Weston Campus**
2950 Cleveland Clinic Blvd.
Weston, FL 33331
Clinic: 954.659.5000
Hospital: 954.689.5000

**Weston Family Health Center**
1825 North Corporate Lakes Blvd.
Weston, FL 33326
954.349.1111

**West Palm Beach**
CityPlace Tower
525 Okeechobee Blvd.
West Palm Beach, FL 33401
Toll-free: 877.463.2010

**Krupa Center**
3250 Meridian Parkway
Weston, FL 33331
954.659.5000
Cleveland Clinic Florida, the Florida campus of the world-renowned Cleveland Clinic, is a nonprofit multispecialty academic medical center that integrates clinical and hospital care with research and education. Located in Weston and West Palm Beach, Cleveland Clinic Florida has nearly 200 physicians with expertise in 35 specialties and subspecialties working collaboratively to achieve excellent results for patients. The medical campus is fully integrated and includes diagnostic centers, outpatient surgery and a 24-hour emergency department located in the state-of-the-art hospital, which was named one of the nation’s 100 Top Hospitals® by Thomson Reuters in 2010.

Our West Palm Beach location extends our reach, enabling us to serve the Palm Beach County community. In addition to clinical care, our services include and infusion suite, pulmonary function testing and procedure room, as well as diagnostic imaging suites.

Cleveland Clinic Florida has been named one of the nation’s 100 Top Hospitals® for cardiovascular care for the last four years (2007, 2008, 2009, 2010) by Thomson Reuters. In 2010, it was named one of America’s Best Hospitals for gastroenterology and diabetes/endocrinology by U.S. News & World Report.

Cleveland Clinic Florida is an integral part of Cleveland Clinic in Cleveland, Ohio, where providing outstanding patient care is based upon the principles of cooperation, compassion and innovation. Established in 1988, Cleveland Clinic Florida has been committed to improvements in patient care and enhancements in medical education for more than 20 years.
eCleveland Clinic

eCleveland Clinic uses state-of-the-art digital information systems to offer several services, including remote second medical opinions to patients around the world; personalized medical record access for patients; patient treatment progress for referring physicians; and imaging interpretations by our subspecialty trained radiologists. For more information, please visit eclelandclinic.org.

DrConnect

Whether you are referring from near or far, DrConnect can streamline communication from Cleveland Clinic physicians to your office. This online tool offers you secure access to your patient’s treatment progress at Cleveland Clinic. With one-click convenience, you can track your patient’s care using the secure DrConnect website. To establish a DrConnect account, visit eclelandclinic.org or email drconnect@ccf.org.

MyConsult

MyConsult Remote Second Medical Opinion is a secure online service providing specialist consultations and remote second opinions for more than 1,000 life-threatening and life-altering diagnoses. The MyConsult service is particularly valuable for people who wish to avoid the time and expense of travel. For more information, visit eclelandclinic.org/myconsult, email eclelandclinic.org, or call 800.223.2273, ext. 43223.

MyChart

This secure online tool connects patients to their own health information from the privacy of their home any time, day or night. Some features include renewing prescriptions, reviewing test results and viewing medications, all online. For the convenience of physicians and patients across the country, MyChart now offers a secure connection to Google™ Health. Google Health users can securely share personal health information with Cleveland Clinic, and record and share the details of their Cleveland Clinic treatment with the
physicians and healthcare providers of their choice. To establish a MyChart account, visit clevelandclinic.org/mychart.

**Continuing Medical Education (CME) Opportunities**

Cleveland Clinic Florida is dedicated to advancing medical knowledge through continuing education. Our CME program provides educational opportunities of a high quality and a wide variety to physicians, nurses, and other healthcare professionals. Our mission is to develop educational programs of an appropriate scope and depth to satisfy the need for knowledge and skill development of the learner.

CME activities include didactic lectures, live surgery presentations, hands-on workshops and audience participation. Interactivity between faculty and participants is emphasized. All activities are designed to maintain, develop or increase knowledge, competence or professional performance with the intended result of improving patient care and reducing disease impact.

For a program schedule and more information, visit: clevelandclinic.org/florida and click on “Education” at the top of the page.