Move ahead with confidence

Choose your hip replacement from DePuy Orthopaedics

never stop moving*
You’re ready to start moving again

Osteoarthritis of the hip once meant getting used to less movement and more pain as time went on. Thanks to advances in surgical procedures, materials and designs for hip replacement implants, you now have treatment options, including hip replacement surgery.

When deciding if hip replacement is right for you, your orthopaedic surgeon considers many factors, including X-rays and other tests, your pain level, how active you are and how much osteoarthritis is limiting your activity. Your needs, not your age, are the most important considerations, so there’s no need to wait until you’re “old enough.”

DePuy’s heritage: keeping people moving

DePuy Orthopaedics, Inc. was the first orthopaedic company in the United States. With more than two million hip replacements in use worldwide, the company has been a leader in hip replacement for more than 40 years.¹ DePuy Orthopaedics scientists and engineers, working in collaboration with leading surgeons, have introduced:

First cemented total hip replacement
– The Charnley (1962)²

First cementless total hip replacement
– AML® (1977)³

First modular total hip replacement
– S-ROM® (1984)⁴

Unique TRUEGLIDE™ technology
– PINNACLE® (2001)¹

Today, DePuy Orthopaedics continues to innovate with a broad range of clinically successful hip systems based on technologies that have been proven over time. Together you and your surgeon can choose the implant that best suits you to help relieve pain and restore movement.
You shouldn’t delay

Many people live with the physical pain, stiffness and reduced movement that affect many areas of their daily lives, and limit the activities they enjoy. It doesn’t have to be that way.

Total hip replacement has been used as a treatment option for severe hip pain since the 1960s, and approximately 300,000 Americans had a hip replacement in 2009 alone. The technology has continuously evolved over time, and DePuy Orthopaedics has developed state-of-the-art products to better meet the needs of today’s patients.

Thanks to hip replacements from DePuy Orthopaedics, more and more people are getting back to feeling like themselves.
Solutions from DePuy Orthopaedics

The PINNACLE Hip from DePuy Orthopaedics is a modular hip replacement system with a range of components that allows your surgeon to choose the combination that's right for you. The PINNACLE Hip has been used for 10 years, with nearly one million implanted worldwide. Five years after surgery, 99.9% of PINNACLE Hips are still in place.6

Number of years on market:
10

Number implanted worldwide:
Nearly 1 million

Clinical success:
99.9% reported at 5 years

Major innovations:
• VIP Modularity allows bearing choice based on your surgeon's preference and your needs
• Third generation MARATHON® and fourth generation ALTRX® polyethylene options available
• Ceramic-on-polyethylene (ALTRX) and metal-on-metal (ULTAMET®) options, which are particularly useful for active patients, are available
• TRUEGLIDE™ technology for low wear and smooth function
TRUEGLIDE™ technology: Unique technology for more fluid, natural movement¹

The PINNACLE Hip is unique because it provides you with an exclusive advancement called TRUEGLIDE technology. TRUEGLIDE technology helps your body create a thin layer of natural lubrication between the surfaces of the ball and socket. This results in a more fluid range of natural motion and more closely matches the feeling and movement of a natural hip. PINNACLE Hips’ exclusive TRUEGLIDE technology keeps the bearing surfaces fully separated and weight fully supported by the lubricating fluid.
The movement is in the bearing

The bearing is where the ball and the cup liner meet. This is where the motion of the hip comes from, because the two surfaces move against each other. Bearings can be made of metal, ceramic, or polyethylene, a medical-grade plastic.

The bearing is critical in the performance of your implant. It affects your hip's mobility, flexibility and range of motion, as well as how the implant will stand up over time and how stable it will be in your body.

“The decision to have the surgery has changed my life. Now I’m able to do all the fun things I love to do.”

Julie
Pinnacle Hip Patient
Active mother
Flight attendant
Metal-on-polyethylene
This is the most commonly used bearing option. But not all polyethylene bearings are the same. In laboratory tests, PINNACLE Hips’ ALTRX cross-linked polyethylene demonstrated a 92% reduction in wear when compared to standard polyethylene.1,7*

Ceramic-on-polyethylene
The ceramic used in a hip bearing is extremely hard and very smooth to reduce the effects of friction as it moves. This reduces wear on the polyethylene. The ceramic is biologically inert, so it's well tolerated in the human body.

Metal-on-metal
Metal-on-metal bearings have been used since the first joint replacements in the U.S. in the 1960s. Today, metal bearings are used particularly for active patients. Your surgeon may be able to use a larger replacement head in a smaller replacement socket than with other types of implants, which provides greater range of motion and stability. The precision contoured components used in the PINNACLE Hip System provide low wear.1

*Reduced wear claims are based on the results of in vitro hip wear simulator tests which have not been shown to quantitatively predict clinical performance.
A range of stems to provide the best fit for you

The stem is sometimes called the femoral stem, because it is inserted into your thigh bone or femur. It anchors your new hip in place. Advanced surface coatings enable the femoral stems to achieve secure cementless fixation, contributing to a secure replacement hip.

Many of DePuy Orthopaedics' advanced stems are designed to preserve your healthy bone and accommodate minimally invasive hip replacement techniques.

With multiple stem choices in various sizes and configurations, DePuy Orthopaedics provides options that suit your surgeon’s preferred technique and your natural anatomy.
CORAIL® Total Hip System

The unique shape of this stem makes it one of the preferred stems for use in minimally invasive surgery, especially the Anterior Approach. The CORAIL Stem has been used for 25 years, with more than 700,000 implanted worldwide. Over 98% of CORAIL Stems are still in place 10 years after surgery.

TRI-LOCK® BPS (Bone Preservation Stem) Total Hip System

The new TRI-LOCK Bone Preservation Stem is smaller than other stems, minimizing the amount of bone removed during surgery. The high contact area and GRIPTION® surface coating provide advanced fixation for today’s more active patient.

The streamlined shape allows for improved range of motion. The original TRI-LOCK Stem was introduced 30 years ago, with more than 35,000 implanted worldwide. Up to 98% of TRI-LOCK Stems are still in place 10 years after surgery.

SUMMIT® Tapered Total Hip System

The SUMMIT Tapered Hip System stem gets narrower near the lower tip, resulting in a more secure fit. The SUMMIT Stem loads body weight onto the bone evenly, to help prevent stress, and is available in either cemented or cementless options. The SUMMIT Stem has been used for 11 years, and is one of the most widely and successfully used femoral stems today. More than 200,000 have been implanted worldwide, and in one U.S.-based study, 98.3% were still in place 5 years after surgery.
When I talk to other people who are considering the surgery, I tell them I wish I hadn’t waited so long.

S-ROM® Total Hip System
The S-ROM Stem is a cementless stem with high stability. The S-ROM Stem has a unique modular design, allowing surgeons to achieve an even more precise fit than may be possible with unibody designs. Its modularity also offers a wider variety of lengths and measurements so your surgeon can choose a size most closely matched to your anatomy. All sizes are designed to enhance rotational stability, avoiding contact between the stem and cup, and preventing thigh pain. The S-ROM has been used for 27 years, with 130,000 implanted worldwide, and 98% are still in place 5 years after surgery.

AML® Total Hip System
The AML Hip System established cementless fixation as a viable alternative to cementing in the 1970s, and it remains a successful choice for surgeons and patients today. AML’s POROCOAT® porous coating spans the entire length of the stem providing greater surface area for improved fixation. The AML Stem has a variety of size and angle options to accommodate your anatomy. The AML has been used for 34 years, with 420,000 implanted worldwide. Over 97% are still in place 20 years after surgery.
Important safety information

As with any medical treatment, individual results may vary. The performance of hip replacements depends on age, weight, activity level and other factors. There are potential risks and recovery takes time. People with conditions limiting rehabilitation should not have this surgery. Only an orthopaedic surgeon can tell if hip replacement is right for you.

Talk to an orthopaedic surgeon about your options

Your surgeon will choose the stem and bearing for you based on durability, level of performance, wear resistance, their experience or preference and your personal needs. No one material is right for every patient. Only your surgeon can determine what’s right for you.
Talk to an orthopaedic surgeon about moving ahead with confidence — with a hip replacement from DePuy Orthopaedics


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