

Persona IQ[®]

THE SMART KNEE[®]

A **Smarter** Way
to Regain Mobility



Why Does My Knee Hurt?

It's pretty simple. Three bones meet up at the knee joint: the end of the thigh bone (femur), the top of the shin bone (tibia), and the kneecap (patella). Those bones are cushioned by cartilage, but when the cartilage is worn away—which is the definition of osteoarthritis—the bones grind against each other. That grinding hurts. You can feel it climbing stairs, working in the garden, or just bending your knees to sit.

Cartilage



Is it time for a knee replacement?

That's a question you and your orthopedic surgeon will have to answer together. When knee pain is so bad it actually interferes with the things you want or need to do, the time may be right. Here are some signs to consider:

- Medication and using a cane just aren't delivering enough relief
- Pain is keeping you up at night
- Your knee aches during and after exercise
- Your knee stiffens up sitting in a car or a movie theater
- You are no longer as mobile as you'd like to be

What Happens During Knee Replacement Surgery?

It's the same idea as having most things fixed—worn parts are taken out, and new parts are installed in their place. In surgery, the damaged portions of the knee bones are removed, and the knee is resurfaced with metal and plastic implants.



Personalized Implants

Getting a precise knee implant fit is an important key to your comfort and overall experience following knee replacement surgery which is why Zimmer Biomet created the Persona® Knee System. The Persona Knee System was created by studying hundreds of knees, and the research resulted in an understanding of the unique differences between men's and women's knees including size, fit, and shape, and extends that science to elements of ethnicity and stature. In doing so, we confirmed that implant shape really matters. Fit really matters. Instrumentation and technology really matters. This means that the clinically proven¹ Persona Knee System has knee replacement implant sizes in the smallest increments, giving your surgeon the most comprehensive selection to choose from because we believe a way to predictably improve patient satisfaction is to more closely reproduce the original.



In addition to a personalized fit, your surgeon wants more insights that can be applied across your care journey to optimize your experience.

That is why we created

Persona IQ[®]

A **Smarter** Way to Regain Mobility

Persona IQ The Smart Knee[®] is the next step in orthopedic innovation, redefining personalized knee care by combining Persona, the world's leading knee system with a smart stem extension that contains sensors to seamlessly collect motion data.



Smart fit.

Your orthopedic surgeon uses your natural knee as a guide to ensure your knee implant works with your unique anatomy - for a knee replacement that's personalized specifically to you.



Smart data.

In combination with in-person visits and the ability to collect information from your knee 24/7 anytime, anywhere, your care team can be connected to help you have a more informed recovery.



Smart recovery.

With remote access to data, as well as during the course of active patient monitoring, your care team can measure and track the function of your knee for a more informed recovery.



Persona IQ Smart Knee Implant

Your surgeon will start by selecting the clinically proven¹ Persona Knee Implants that best match your knee's anatomy. On the bottom portion of the implant, a small "smart" stem extension is attached. This stem contains sensors that capture motion data allowing your surgeon and care team to monitor your knee's function after surgery.

Persona Knee Implant

Smart Stem Extension



How It Works

The motion data from your Persona IQ Knee Implant is securely transferred to you and your care team providing remote access to your post-surgery data daily.



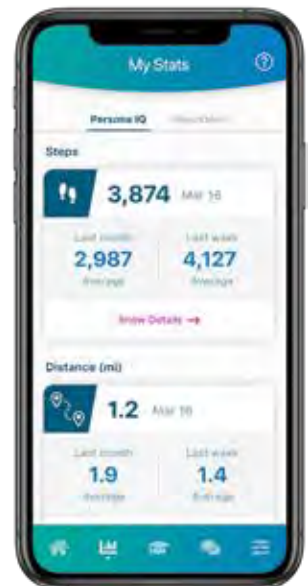
Your **Persona IQ** implant collects activity data throughout the day



You will be provided with a **Home Base Station** that transmits Persona IQ data to the mymobility[®] app automatically



Persona IQ post-surgery data is easily accessible and viewed by you and your surgeon through the **mymobility app**



Persona IQ Fits Seamlessly into Your Life

You'll simply set it up one time, following instructions that will arrive in your welcome kit. After surgery, it begins automatically collecting data overnight. This data is sent directly to your surgeon and care team after surgery.

Persona IQ collects data on:



Your Knee Range of Motion While Walking



Your Qualified Step Count



Your Cadence



Your Stride Length



The Distance You Walk



Your Walking Speed

Persona IQ does NOT collect data on:



Your location



Where you've been/
where you're going

It's not a GPS or tracking device.

It doesn't have the capability
to measure this information.



Stay Connected with mymobility®

The data collected by the Persona IQ Implant is viewed by you and your care team on the mymobility app. The mymobility app gives you constant connection to your surgeon and care team, so you'll receive helpful reminders, progress reports and support that's unique to you. It's a personalized way to keep you moving and keep you connected like never before.

mymobility provides you with visibility into your post-surgical recovery including:



Timely Education, Checklists and Reminder Notifications



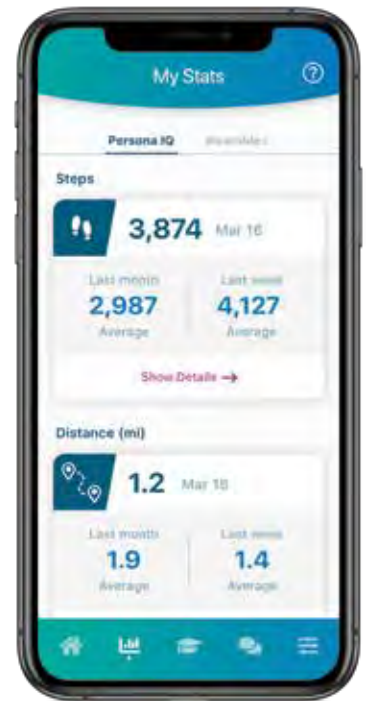
Effortless Communication



Video-Guided Exercise Tutorials



Data Collection on Activity Levels, Associated Pain and Progress with Your Care Plan



Frequently Asked Questions

How is my data accessed?

You, your surgeon, and care team will be able to view your data via the mymobility application.

How will my data be used?

The data will be used by your care team as long as you continue sharing your data. If you decide you no longer want your data collected, you can simply opt out. Talk to your doctor for information on how to opt out. Outside of regulated implant reportable data elements, your historical data will be anonymized once you have opted out of data sharing. Anonymization means that all your personal identifiers are removed so that you can't be connected to the data.

Who has access to my data?

Your data will be available to your care team and authorized administrators (Zimmer Biomet and Canary Medical) of your Persona IQ Smart Stem Implant.



Frequently Asked Questions

Will the smart implant track my location?

No, Persona IQ is not a GPS tracking device.

Do I need to tell other doctors about the implant if I need a different surgery?

It's always good to inform your physicians about your medical history.

Can the battery inside the smart stem device hurt me?

Some medical procedures and treatments use medical equipment that introduces electrical currents into your body. These medical procedures and treatments are contraindicated with your smart stem implant because it could damage the sensor in the implant. Inform your health care provider that you have a smart implant before any medical procedure. The battery inside of Persona IQ does not need to be replaced.

We care about your privacy



Zimmer Biomet will only use your data to provide our products and services, and for purposes that are compatible with treatment.

What Happens Next?

If you're interested in Persona IQ, The Smart Knee, talk to your doctor. Once you and your surgeon have decided Persona IQ is right for you, they will enroll you into mymobility and guide you on how to get started.



To learn more about Persona IQ
contact our Smart Knee Support Team.
[email SmartKneeSupport@zimmerbiomet.com](mailto:SmartKneeSupport@zimmerbiomet.com)
or call 844-799-8208.



At Zimmer Biomet,
we're never done innovating and
transforming what's possible...for you.



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The objective kinematic data generated by the CTE with CHIRP System are not intended to support clinical decision-making and have not been shown to provide any clinical benefit. Not all patients are candidates for this product and/or procedure. Only a medical professional can determine the treatment appropriate for your specific condition. Appropriate postoperative activities and restrictions will differ from patient to patient. Talk to your surgeon about whether joint replacement is right for you and the risks of the procedure, including the risk of implant wear, infection, loosening, breakage or failure, any of which could require additional surgery. For a complete list of benefit and risk information and to find a health care professional near you visit www.zimmerbiomet.com or call 1-800-HIP-KNEE. All content herein is protected by copyright, trademarks and other intellectual property rights, as applicable, owned by or licensed to Zimmer Biomet or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of Zimmer Biomet. ©2023 Zimmer Biomet



1. Statement based on: 5 million implantations^{12h}
300+ Publications^{12g}
100% Survivorship at 17 Years^{12a}
Lowest revision rate^{12b-e}
Benchmark for PROMs^{12f}
10A* ODEP rating for CR and PS knees both with and without patella^{12g}
Every 90 seconds a patient receives a NexGen knee^{12h}
1 in 5 knees implanted globally is a NexGen Knee
- 1a. Kim, Y.H., et al. Cementless and cemented total knee arthroplasty in patients younger than fifty five years. Which is better? International Orthopaedics (SICOT) (2014) 38:297-303.
- 1b. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide. AOA 2016: Table KT9 Cumulative Percent Revision of Primary Total Knee Replacement with Cement Fixation.
- 1c. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide. AOA 2016: Table KT10 Cumulative Percent Revision of Primary Total Knee Replacement with Cementless Fixation.
- 1d. Australian Orthopaedic Association National Joint Replacement Registry. Annual Report. Adelaide. AOA 2016: Table KT11 Cumulative Percent Revision of Primary Total Knee Replacement with Hybrid Fixation.
- 1e. Select variants from the 2016 Swedish National Registry available at <http://myknee.se/en/> (pgs 42-43).
- 1f. Baker, P.N., et al. The effect of surgical factors on early patient-reported outcome measures (PROMs) following total knee replacement. J Bone Joint Surg Br. 94:1058, 2012.
- 1g. Latest ODEP ratings can be found at <http://www.odep.org.uk>.
- 1h. 2015 Sales data available at Zimmer Biomet.
- 1i. EMBASE search: «NexGen» AND «Knee».