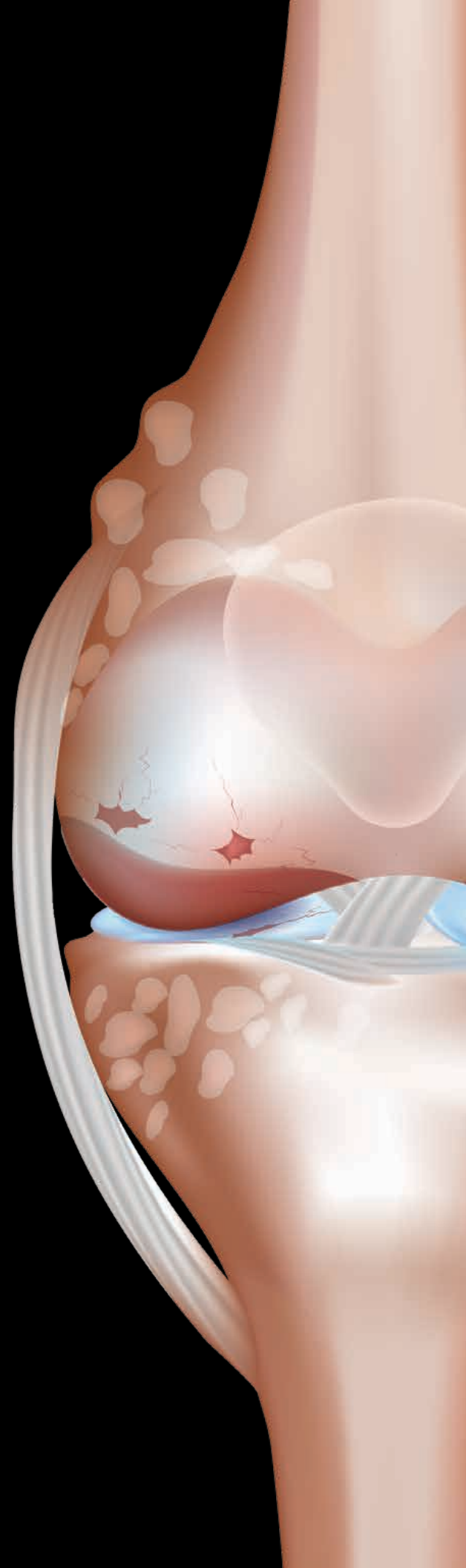


enovis™

THE OSTEOARTHRITIC KNEE

**THE CLINICAL STORY OF
EFFECTIVENESS FOR
OA KNEE BRACING**

MANAGING OA OF THE
KNEE WITH DONJOY®



FACTS & FIGURES

Global prevalence of knee OA*



**= 654 MILLION
OA PATIENTS**

in 40+ age group



WITH AGING

populations and increasing rates of obesity and injury, the prevalence of osteoarthritis is expected to continue to increase.



22.9%

of people ≥ 40 years suffer from knee OA



BRACES

and other assistive technologies can help people with osteoarthritis to **stay independent** when movement becomes more difficult (*WHO 2023 facts sheet*²⁸)

RISK FACTORS

Gender^{2,4}

Aging^{2,4}

Malalignment^{23,25}

Muscle Weakness^{18,22}

Genetics^{1,27}

Previous Knee

Obesity^{2,4}

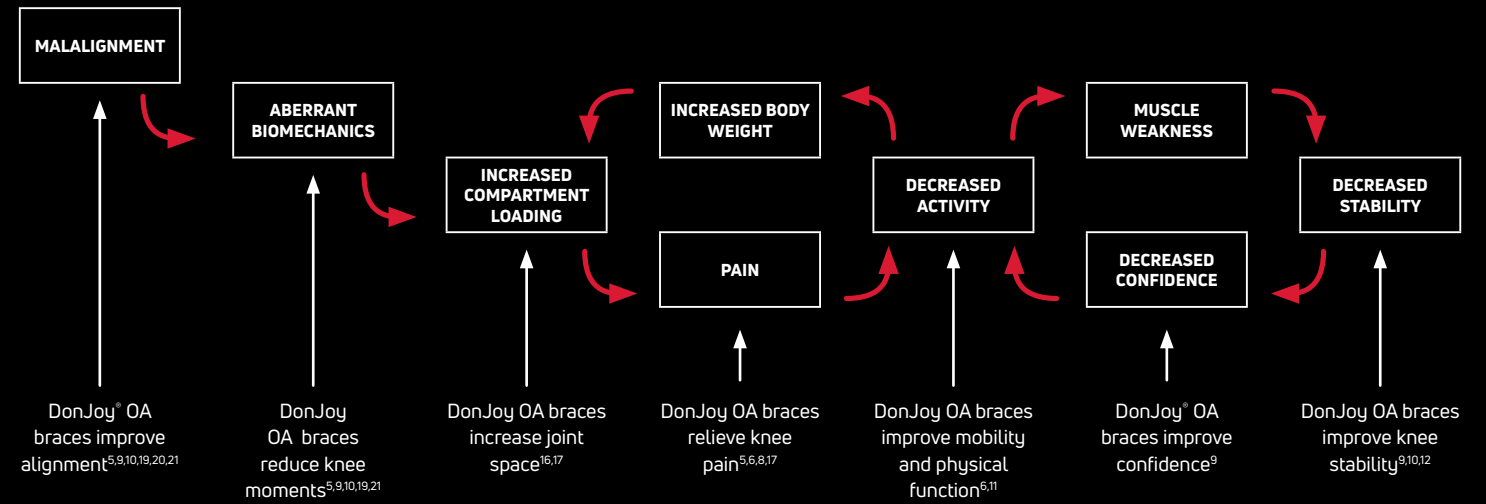
Injury/Trauma^{24,26}

Knee Overload^{2,3,28}

TREATMENT GAP

Approximately 20% of American patients with symptomatic knee OA linger in what's called a "treatment gap" for 10 years.¹⁴ During this treatment gap phase, unloader bracing is a cost-effective conservative treatment that can be utilized to aid in symptom relief.^{13, 15}

OA BRACING AS A SOLUTION



DONJOY offers push or pull unloading technology options depending on the severity of the osteoarthritis, activity level, and other related needs of the patient.



INTRODUCING THE DONJOY ROAM™ OA

ROAM REDUCED KNEE ADDUCTION ANGLES IN MAJORITY OF PATIENTS.

Lower knee adduction angle led to a more balanced mediolateral load distribution.

Blue line shows joint moment and joint angle changes when ROAM is worn versus the gray line representing when no brace is applied. As indicated in the blue line, ROAM reduced knee adduction angles in majority of patients. Lower knee adduction angle led to a more balanced mediolateral load distribution.

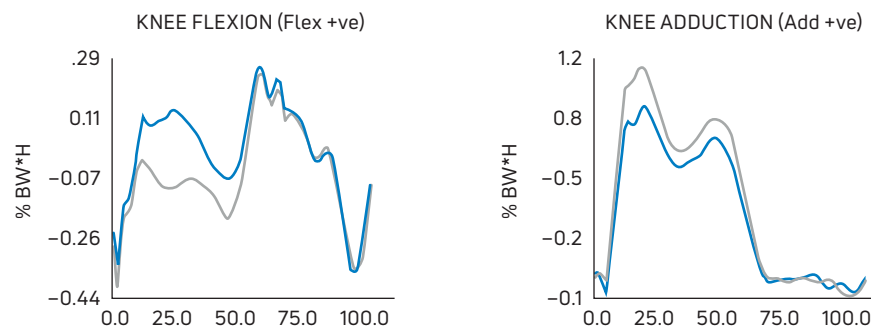
ROAM IMPROVED LOAD ACCEPTANCE AFTER HEEL STRIKE WHICH IMPROVED THE FLEXION-EXTENSION PATTERN FROM EARLY TO MIDSTANCE PHASES.

Healthier quadriceps use was suggested based on the increased flexion moments during the gait phase.

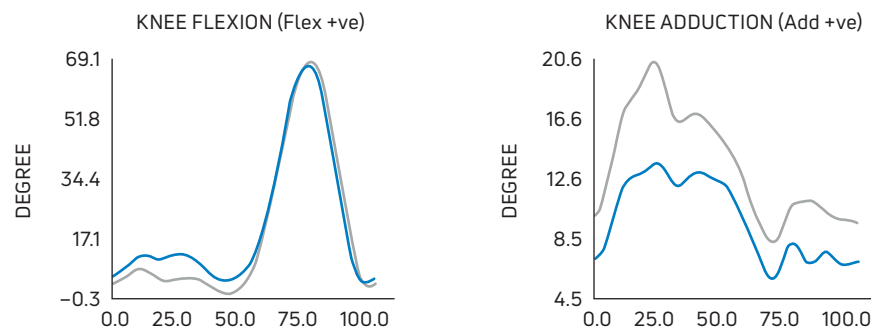
The blue lines in the knee flexion graphs show that ROAM improved load acceptance after heel strike which improved the flexion-extension pattern from early to midstance phases.



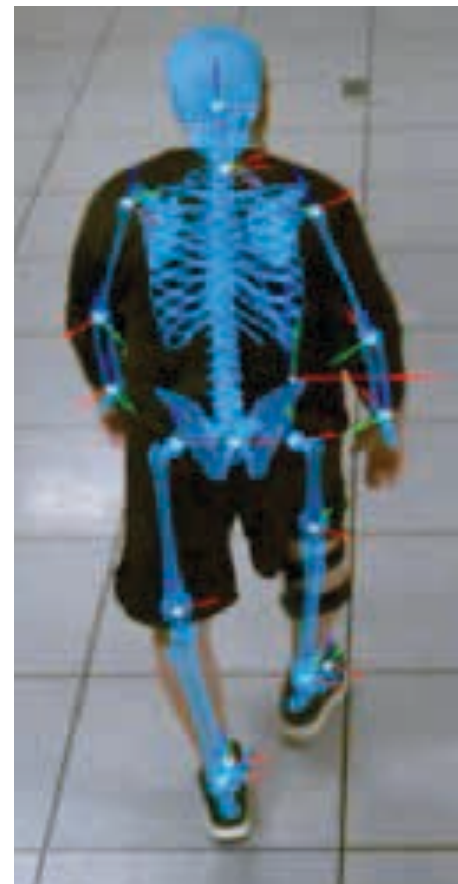
JOINT MOMENT (EXTERNAL)



JOINT ANGLES



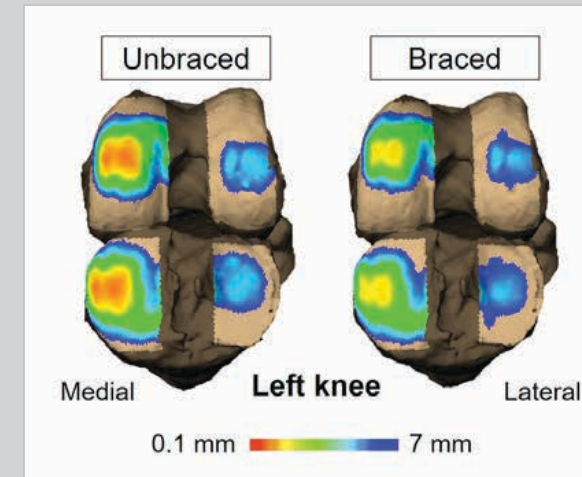
— DONJOY ROAM OA — No Brace JOINT



EFFECTIVENESS OF DONJOY® OA BRACES

Increased Joint Space

DonJoy OA Defiance® brace can induce a significant increase (0.3 mm) in medial compartment dynamic joint space during gait in medial compartment knee OA patients¹⁷.



More red means narrower joint space

More green means increased joint space

Increased dynamic joint space during gait with DonJoy® braces offloads the OA compartment¹⁷

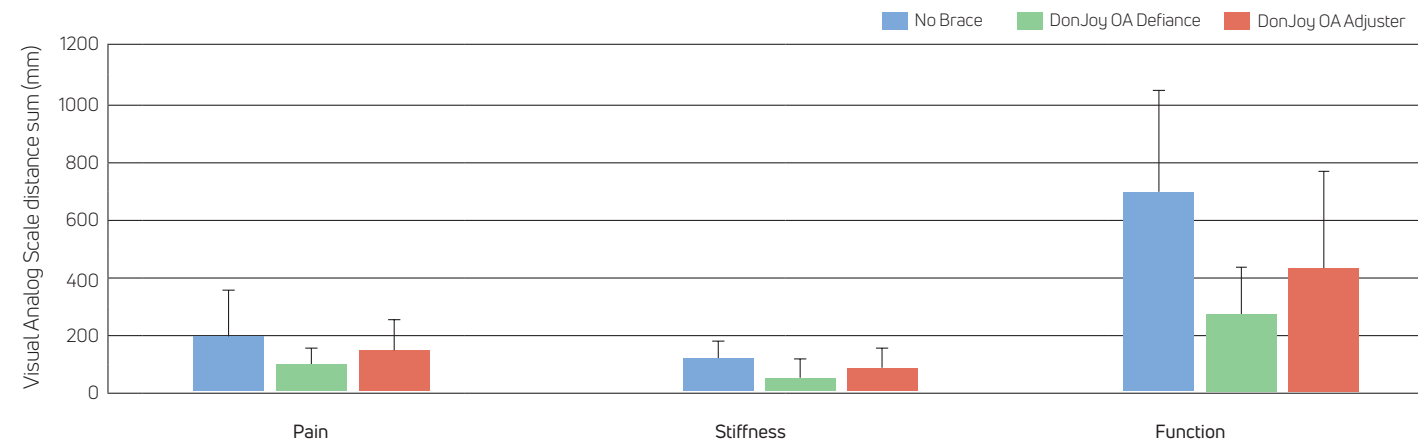
Improved Alignment and Stability

- DonJoy® OA braces effectively improve alignment by shifting the knee into a more valgus position in subjects with varus knees^{5,20} as well as in normally aligned subjects¹⁹.
- At approximately 10% of the gait, the point of greatest loading, the OA Adjuster brace produced the greatest corrective effect^{20,21}
- DonJoy® OA braces reduce peak knee adduction moment up to 32% during gait^{5,19,21} and stair stepping²⁹.



Pain Relief

- The DonJoy OA Adjuster™ and OA Defiance® lead to significant pain relief at rest and during activity and improve symptoms of stiffness and function^{5,6,8,9,17}.
- In a systematic review by Feehan et al.⁷ including 15 clinical studies, 98.6% of 567 patients with medial knee OA experienced pain relief when fitted with an off-loading brace.
- As shown below, both OTS and Custom DONJOY unloader braces significantly reduced pain and stiffness, with OA defiance significantly improving function when compared to no brace at all.



Graph shows pain, stiffness, and function components of the WOMAC (Western Ontario and McMaster Universities Osteoarthritis Index) in patients with varus knee OA wearing, **No Brace**, **DonJoy OA Defiance**, and **DonJoy OA Adjuster**. Lower values indicate improvement.

A DonJoy® off-loading brace can significantly improve pain, resulting in a more active life and increased quality of life.⁶

Increased Confidence and Activity

- The DonJoy OA Adjuster™ improves knee confidence and perceived stability in patients with post-traumatic knee OA after ACL reconstruction⁹.
- A recent patient feedback study showed that a DonJoy OA Defiance® brace increases the possibility to perform daily activities and also enables increased mobility away from the home environment, including going to a local shop, resulting in a more active life and increased quality of life⁶.

A DonJoy® off-loading brace can bring back freedom of movement to knee OA patients⁶

THE OA TAKE-AWAY

DONJOY Unloader bracing has been clinically proven to:

- Improve alignment
- Reduce knee moments
- Increase joint space
- Relieve pain
- Improve mobility and physical function

Unloader bracing may help patients who have documented:

- Pain during weight bearing or ascending / descending stairs
- Pronounced Varus or Valgus knee deformity
- Previous Meniscectomy
- Excess/High BMI
- Recent injury or surgery
- Ambulatory with knee instability



Brian Cole, MD
interview on OA brace
patient selection.



CMS knee
orthoses guideline

Enovis™ guarantees patient satisfaction with DONJOY OA Knee braces.

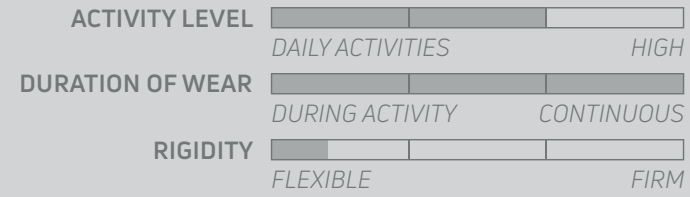
Patients/customers not completely satisfied with their DonJoy Knee Osteoarthritis Brace may receive credit or refund for the cost of the brace if our representative cannot fix your issue within 90 days from initial fitting.* Terms & conditions apply.

* (Does not include custom fabricated braces, customer/patient pays cost for return shipping of the brace in order to be issued a credit.)

OA BRACING AS A SOLUTION



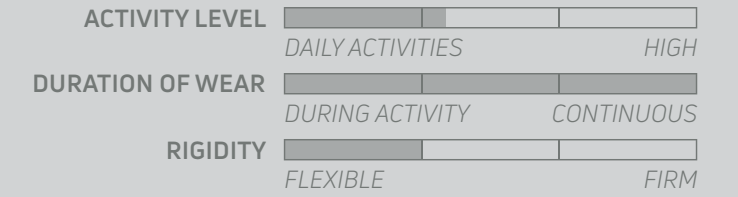
**TRIZONE®
KNEE
SLEEVE**



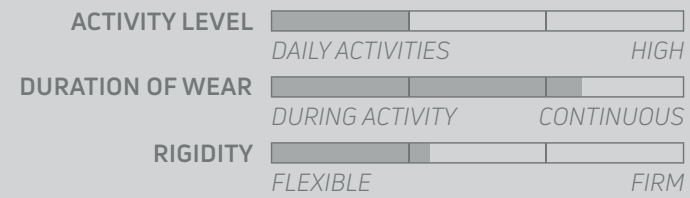
** Not reimbursable by insurance*



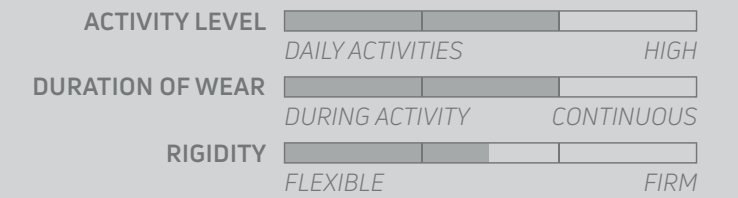
**OA
REACTION
WEB®**



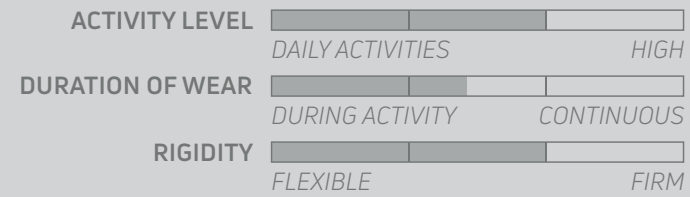
**CLIMA-FLEX®
OA**



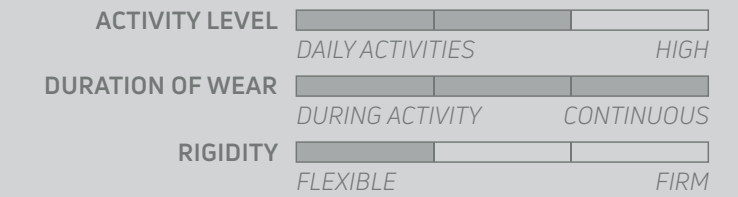
**OA
NANO™**



**OA
FULLFORCE™**



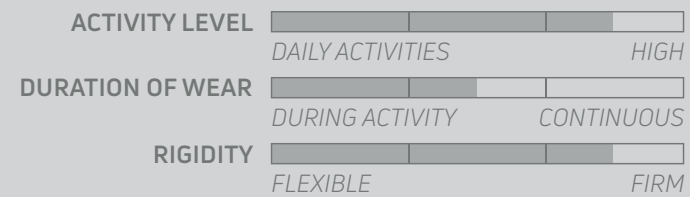
**ROAM™
OA***



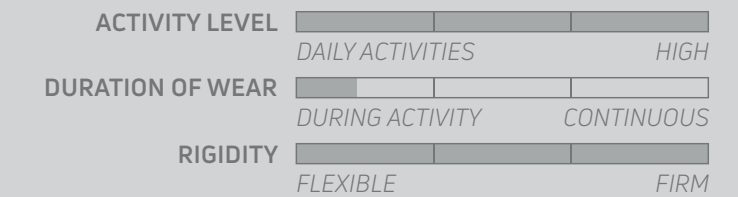
**Available in a custom option and off the shelf*



**OA
ADJUSTER™ 3**



**CUSTOM
OA
DEFIANCE®**



DONJOY®

enovis™

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