The ATTUNE® Knee System represents the largest research and development project in the history of DePuy Synthes, backed by a comprehensive evidence generation program that encompasses clinical and patient reported outcomes as well as health economics studies.

Positive Early Registry Results

The latest results from the 2016 Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) and National Joint Registry for England, Wales, Northern Ireland and the Isle of Man (NJR) confirmed early favorable results for the ATTUNE Knee.

<table>
<thead>
<tr>
<th>Registry</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOANJRR</td>
<td>ATTUNE Cruciate Retaining Knee survivorship at one year.</td>
</tr>
<tr>
<td></td>
<td>ATTUNE Posterior Stabilized Knee survivorship at one year.</td>
</tr>
<tr>
<td></td>
<td>ATTUNE Knee estimated cumulative percent revision: 0.5% (ATTUNE Cruciate Retaining Knee), 0.4% (ATTUNE Posterior Stabilized Knee) for 4,463 knees at one year, comparing favorably to the overall class of cemented total knee arthroplasty (TKA) at one year, which has an estimated cumulative percent revision of 1.0%.</td>
</tr>
<tr>
<td>NJR</td>
<td>ATTUNE Knee estimated cumulative percent revision: 1.39% at three years for 4,463 knees, comparing favorably to the class of Cemented Total Knee Arthroplasty (TKA) that has an estimated cumulative percent revision of 1.50%.</td>
</tr>
</tbody>
</table>

39% lower odds of patient discharge to a skilled nursing facility when implanted with an ATTUNE Knee, compared to patients who received a TKA with a Triathlon® Knee, according to the results of a large U.S. hospital administrative database review. Going home following TKA vs. being discharged to a skilled nursing facility may potentially impact patient satisfaction and reduce health care costs.

Improvements in Patient Reported Outcomes

One year results from two worldwide studies showed improved patient reported outcomes with the ATTUNE Knee compared to other leading knee systems.

60+ patents in the U.S. granted for key inventions related to the ATTUNE Knee Implants and Instruments.

ATTUNE GRADIUS™ Curve
Geometry of the curve is designed to address the unnatural sliding of the femur on the tibia, to provide smooth motion and stability during everyday activities.

GLIDERIGHT™ Articulation
Four independent studies demonstrated improved patello-femoral outcomes, including reduced incidence of symptomatic crepitus while maintaining optimal patella motion.
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References


3 Etter K, Lerner J, Moor C, Yoo, A, Kalsekar, I. (2016). PMD10-Comparative Effectiveness of ATTUNEB® Versus Triathlon™ Total Knee Systems: Real-World Length of Stay and Discharge Status.” Value in Health 19(3): A298. Premier Perspective™ Database analysis including 38 hospitals, representing 1,178 primary, unilateral TKAs with the ATTUNE Knee and 5,707 primary, unilateral TKAs with Triathlon™. The analysis found that the patients implanted with the ATTUNE Knee had statistically shorter length of stay and were more frequently discharged home vs. a skilled nursing facility compared to the TKAs with Triathlon™


