Approved Mako Total Knee Replacement education information

- Total knee replacements in the United States are expected to **increase 673%** by 2030,[1] yet studies have shown that approximately 30 percent of patients are dissatisfied after conventional surgery.[2]
- Mako Total Knee **transforms** the way total knee replacements are performed.
- **Through CT-based 3D modeling of bone anatomy,** surgeons can use the Mako System to create a personalized surgical plan and identify the implant size, orientation and alignment based on each patient's unique anatomy. The Mako System also enables surgeons to virtually modify the surgical plan intra-operatively and assists them in executing bone resections.
- The Mako Total Knee application is a knee replacement treatment option **designed to relieve the pain** caused by joint degeneration due to osteoarthritis.
- Mako Total Knee combines Stryker's **advanced robotic technology with its clinically proven GetAroundKnee**, Triathlon Total Knee System, which enabled surgeons to have a more predictable surgical experience with increased accuracy during laboratory testing.[3]
- The Mako Total Knee application was designed based on the clinically successful Mako Partial Knee and Mako Total Hip applications. **Mako Robotic-Arm Assisted Surgery enables surgeons to have a more predictable surgical experience** and offers them a leadership advantage in our evolving healthcare environment.
- At the time of its commercial launch in March 2017, **more than 1,400** Mako Total Knee surgeries had been performed in **65 hospitals** in **four countries**, including the United States, Australia, Germany and the United Kingdom.[4]
- In 2017, the Mako System became **the first and only robotic technology** that can be used across the joint replacement service line to perform total knee, total hip and partial knee replacements.
- Since 2007, more than **83,000** total procedures, including total knee, partial knee and total hip replacements, have been performed with Mako.[4]