

Deep Brain Stimulation Systems

2025 Medtronic Product Performance Report

Executive Summary

INTRODUCTION

Medtronic's commitment to quality has long been stated as part of the Medtronic Mission. We will ***strive without reserve for the greatest possible reliability and quality***. The annual Medtronic Product Performance Report (PPR) reflects that commitment. Through this sharing of information, we can enable physicians to best leverage state-of-the-art therapy delivery and also understand the performance of our devices to best manage patients.

Medtronic published the industry's first Neuromodulation PPR in 2008. The report uses data gathered from a prospective, long-term, multi-center registry. It allows for active surveillance of our Spinal Cord Stimulation, Targeted Drug Delivery, Deep Brain Stimulation, and Sacral Nerve Stimulation devices.

As of October 31, 2025, the registry had 21,513 implanted devices and 4,207 patients in the Deep Brain Stimulation therapy.

Access the 2025 full report at: <https://www.medtronic.com/us-en/healthcare-professionals/products/product-performance/neuromodulation-product-performance.html>

METHODS

- Medtronic uses a prospective, long-term, multi-center registry to monitor the performance of certain products at selected centers titled the Product Surveillance Registry (PSR).
- Medtronic also incorporates the findings of Returned Product Analysis (RPA) for devices followed in the registry that are returned to Medtronic.
- Patients at each center who provide informed consent are enrolled in the registry. Patients are followed prospectively for events related to the device, procedure, and/or therapy.
- Participating investigators provide event descriptions, patient symptoms, and patient outcomes. Any detection methods used to determine patient or device outcomes are also obtained.

EVENT CATEGORIZATION

Events collected through the registry are collapsed into two categories:

- **Product performance** - event possibly due to a device-related issue.
- **Non-product performance** (or a clinical event not related to product performance) - any undesirable patient symptom, illness, or other medical event that appears or worsens during the clinical study that possibly resulted from or was related to the implant procedure, therapy, or delivery of therapy, and cannot be classified as a product performance event. All clinical events not related to a product performance and reported as a serious adverse event were summarized by MedDRA System Organ Class (SOC) if the event met a patient threshold and are included in the full Product Performance Report.

DEVICE SURVIVAL ESTIMATES

Note that cumulative device survival-not patient survival- estimates are presented throughout this summary.

- Figures show the percentage of implanted devices that remain free from product performance-related events at various time points.
- Example: a device survival probability of 90% indicates that through the stated follow-up time period, the device had a 10% risk of incurring a product performance event since the time of implant.
- Estimates represent device survival where at least 20 total devices are still being followed for at least 6 months.

PATIENT ENROLLMENT

- 67 centers enrolled 4,207 total Deep Brain Stimulation patients in the registry through October 31, 2025.
- 64.11% of patients were implanted for the treatment of Parkinson's disease.
- 20.11% of patients were implanted for the treatment of Essential Tremor.
- 9.29% of patients were implanted for the treatment of Dystonia.
- 2.47% of patients were implanted for the treatment of some other indication.
- 1.90% of patients were implanted for the treatment of Epilepsy.
- 1.62% of patients were implanted for the treatment of Obsessive-Compulsive Disorder.
- 0.50% of patients were implanted for the treatment of indications that were not specified in the database at the time of the data cut-off.

It is recognized that healthcare providers prescribe therapies to meet specific patient needs. However, Medtronic only directs the use of its products based on approved regulatory labeling, which varies by geography. Please contact your local Medtronic representative for region-specific product labeling (<http://www.medtronic.com/us-en/about/locations.html>).

Medtronic Deep Brain Stimulation Systems Device Survival Summary Table

Device Summary Information				Device Survival Probability (%)																		
Model Number/ Product Name	Devices Enrolled	Initial Product Performance Events	Cumulative Months of Follow-up	1 yr	2 yrs	3 yrs	4 yrs	5 yrs	6 yrs	7 yrs	8 yrs	9 yrs	10 yrs	11 yrs	12 yrs	13 yrs	14 yrs	15 yrs	16 yrs	17 yrs	18 yrs	19 yrs
Neurostimulators																						
Activa™ PC	2,785	46	100,691	99.3%	98.9%	98.4%	98.1%	97.7%	97.2%	97.2%	97.2%	97.2%										
Activa™ SC 37602	474	5	14,458	99.3%	99.0%	98.6%	98.6%	98.6%	98.6%													
Activa™ SC 37603	708	6	22,485	99.7%	99.7%	99.4%	98.6%	98.6%	98.6%													
Activa™ RC	1005	14	41,924	99.5%	99.3%	99.0%	98.2%	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%									
Percept™ PC	1,426	8	25,279	99.7%	99.5%	99.1%	99.1%															
Percept™ RC	231	0	806	not sufficient data to report on survival at 1 year at time of the cutoff.																		
Leads																						
Model 3387	2,456	50	130,846	99.1%	98.7%	98.3%	97.9%	97.5%	97.4%	97.2%	96.9%	96.9%	96.7%	96.3%	96.3%	95.5%	92.9%	92.9%	92.9%	92.9%	92.9%	92.9%
Model 3389	3,242	99	187,074	98.6%	98.2%	97.6%	96.9%	96.5%	96.1%	95.6%	94.6%	94.2%	94.0%	93.3%	93.0%	93.0%	93.0%	93.0%	92.1%	92.1%	92.1%	92.1%
SenSight™ B33005	1184	12	14,872	98.6%	98.6%	98.6%																
SenSight™ B33015	381	9	5,323	96.8%	96.8%																	
3391	73	2	4,160	100.0%	100.0%	100.0%	100.0%	95.7%														
Extensions																						
Model 37086 [‡]	5,212	74	277,737	99.4%	99.1%	98.9%	98.7%	98.2%	98.2%	98.1%	98.1%	97.8%	97.8%	97.1%	96.3%	96.3%	95.0%	95.0%				
Model B34000/ B34000M	1,555	6	19,605	99.6%	99.3%	99.3%																

* This table shows the percentage of implanted devices that remain free from product performance-related events at various time points.

^{||} Includes Models 37085 and 37086.

The Soletra and Kinetra models were removed from the summary table (no currently active devices). Please refer to past Product Performance Reports for information on survival for those models.

If you have suggestions, inquiries, or specific problems related to our products or this information, contact:

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Written Requests or
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