

# The Real Burden of Spasticity

Symptom recurrence: an unpleasant roller coaster ride for patients?

## What is spasticity?

Spasticity is generally caused by disruption to the area of the brain and spinal cord responsible for controlling muscle and stretch reflexes. This damage can be caused by stroke, injury, multiple sclerosis, or cerebral palsy.<sup>1</sup>

**SPASTICITY AFFECTS MORE THAN 12 MILLION PEOPLE WORLDWIDE<sup>2</sup>**



## About the Carenity 2 Survey

The Carenity 2 Survey examined the challenges experienced by 210 adult patients from across the U.S., the U.K., France, Germany, and Italy.

All patients had spasticity associated with stroke, traumatic brain injury, or spinal cord injury and were being treated (or had been treated within a year prior to the survey) with botulinum neurotoxin type A (BoNT-A) injections.<sup>3</sup>



## Spasticity: Key takeaways from the survey

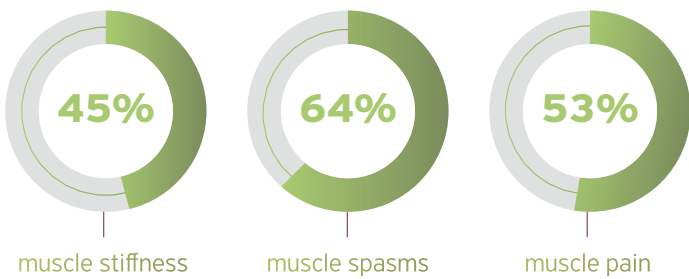


**83%** saw symptoms of spasticity return between two sessions of BoNT-A

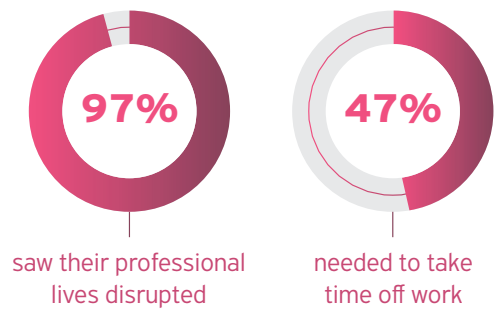


**59%** saw symptoms of spasticity return less than three months after treatment

## Most common symptoms re-emerging between injections:<sup>3</sup>



## The re-emergence of symptoms between injections impacts a patient's professional life:<sup>3</sup>



## Recurring symptoms of spasticity have a far-reaching impact on up to 17 aspects of quality of life (QoL), including:<sup>3</sup>



Sleeping, resulting in fatigue



Moving around unassisted



Maintaining relationships



Performing daily tasks

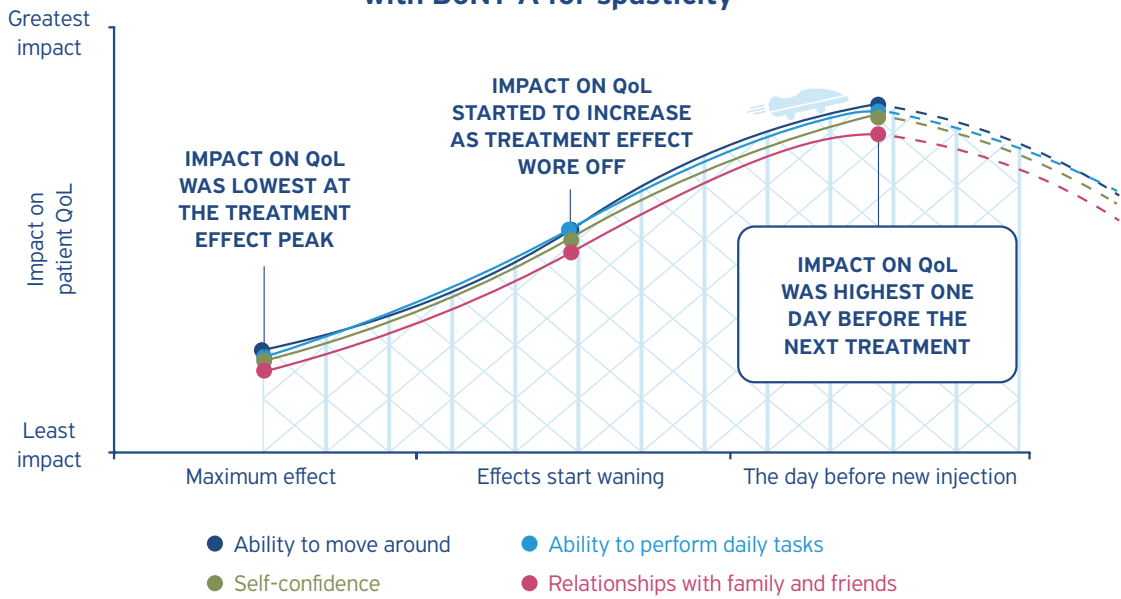


Experiencing depression and anxiety



Performing at work

## Impact on QoL is a roller coaster for patients treated with BoNT-A for spasticity<sup>3</sup>



## How can we help patients in the future?

### LONGER-LASTING TREATMENT CAN HELP END THE ROLLER COASTER RIDE FOR PATIENTS



**72%** of patients expect longer-lasting benefits between treatments<sup>3</sup>

Patients are at the heart of everything we do at Ipsen, guiding our strategy and leading our drive for innovation in patient care. Ipsen is striving to understand disease burden, unmet patient needs, and barriers to treatment. **These insights have the potential to unlock meaningful changes in clinical practice, leaving no patient behind.**

#### References:

- American Association of Neurological Surgeons. *Spasticity*. Available at: <https://www.aans.org/Patients/Neurosurgical-Conditions-and-Treatments/Spasticity>. Accessed April 2020.
- John Hopkins Medicine. *Spasticity*. Available at: <https://www.hopkinsmedicine.org/health/conditions-and-diseases/spasticity>. Accessed April 2020.
- Esquenazi A, et al. Impact of spasticity and waning of effect of botulinum toxin a treatment on patients' employment and quality of life: results of a multinational online survey. Abstract presented at the 6th Congress of the European Academy of Neurology, 23-26th May 2020, Vienna, Austria.