



# CONSUMER ADVISORY TEAM FOR NEUROMODULATION WORKING GROUP FOR BLADDER & BOWEL

---

Dennis Bourbeau, PhD

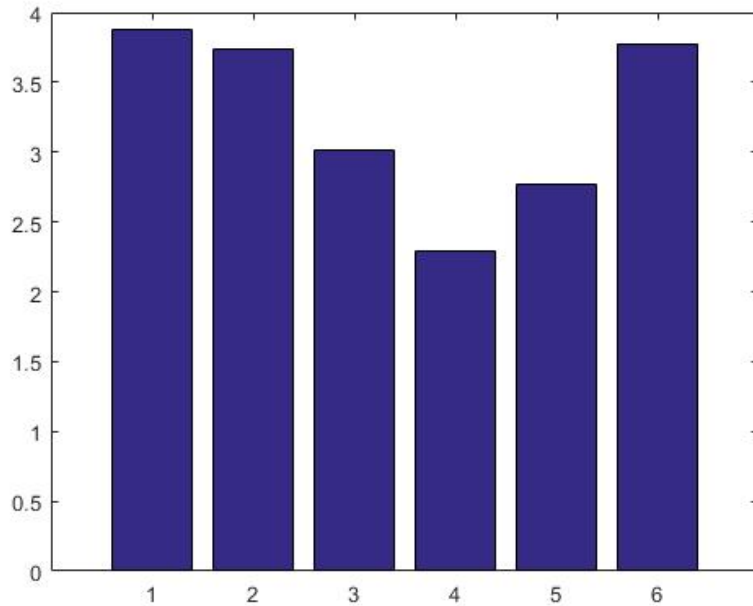
Recruited **individuals with SCI** to help understand the **needs and priorities** for managing their **bladder and bowel** functions, and their attitudes toward the potential for **nerve stimulation approaches**

- Group included individuals with SCI (Advisory Team) and individuals from research community (Working Group)
- Survey developed: January – June 2018
- Survey launch and data collection: July-August 2018
- Questions sorted into 4 categories
  - Demographics
  - Bladder function
  - Bowel function
  - Attitudes about nerve stimulation
- Data from 381 respondents with SCI

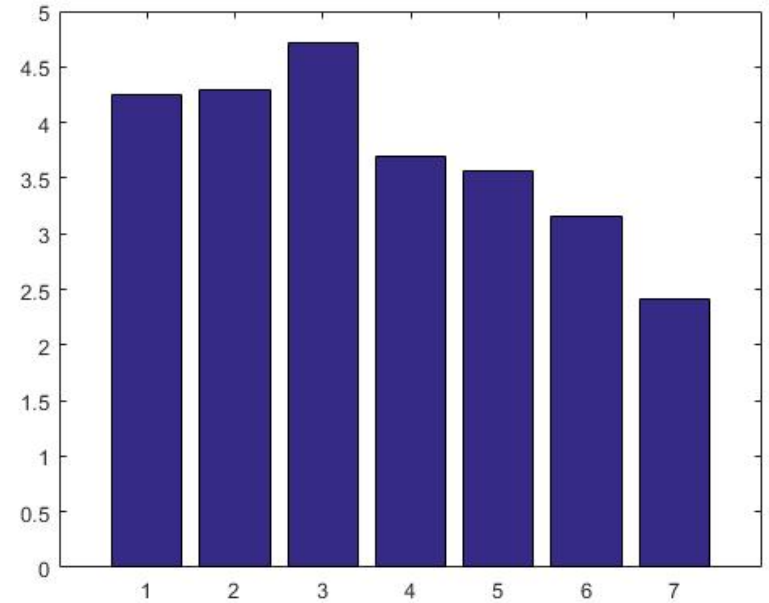
Country/Continent	Number of Respondants
United States	337
Canada	13
Mexico	1
Africa	4
Asia	2
Oceania	2
Europe	11
South America	11
Total	381

Age		49 ±15 years
Sex	Women	27% (N=100)
	Men	73% (N=267)
Hand Function	No hand function	15% (N=54)
	Some hand function	28% (N=103)
	Full hand function	57% (N=211)
Performing Transfers	Full assistance	18% (N=65)
	Some assistance	0% (N=0)
	No assistance	60% (N=219)
Leaving the House	Never	2% (N=8)
	Monthly	7% (N=25)
	Weekly	26% (N=97)
	Daily	64% (N=236)
Transportation Barriers	Yes	13% (N=49)
	No	86% (N=317)
Financial Barriers	Yes	25% (N=92)
	No	75% (N=276)

# Priorities for improving bladder function (*left*) and bowel function (*right*)

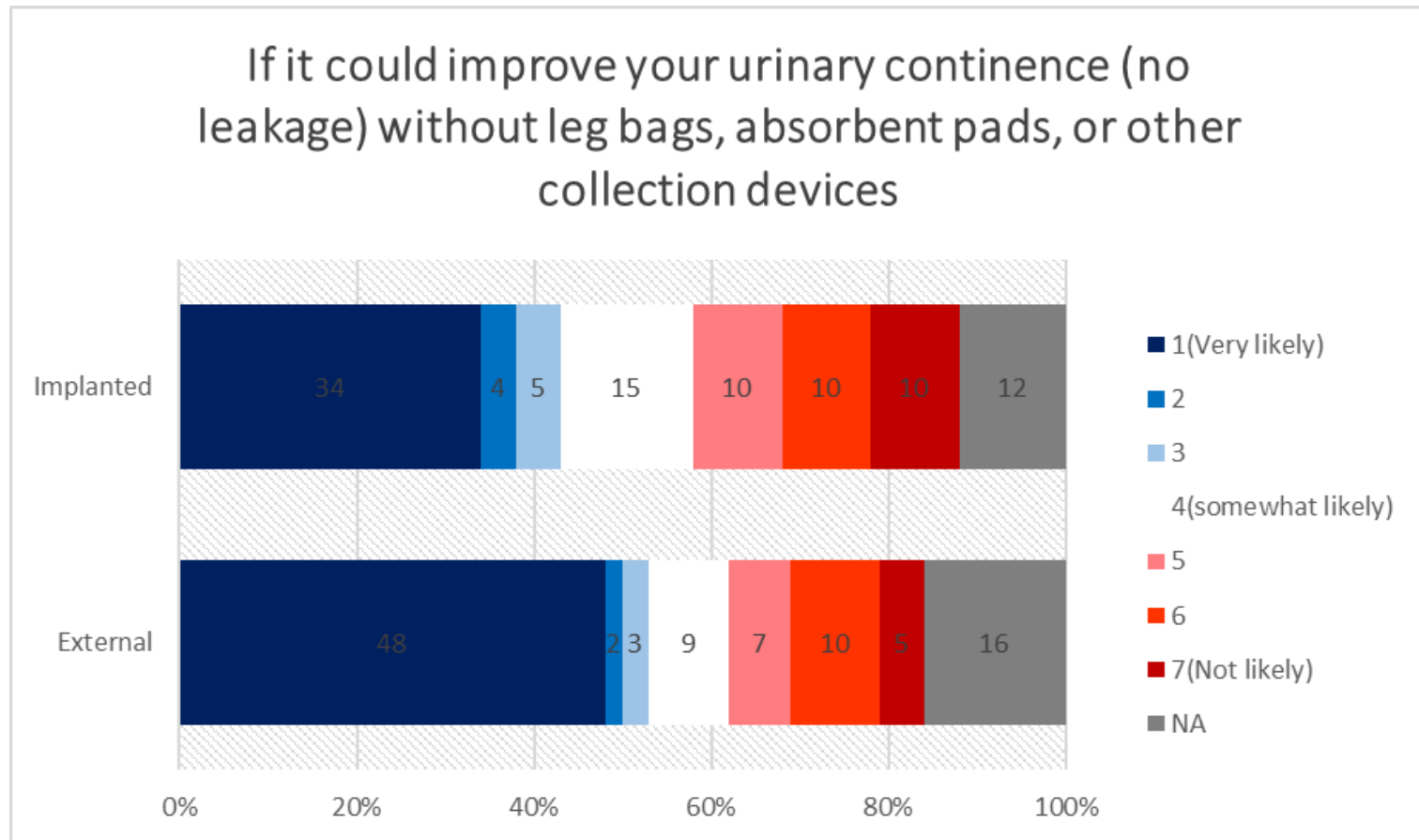


1. Emptying your bladder without catheters
2. Maintaining urinary continence
3. Independence in bladder management
4. Not needing daily medications
5. Sensing when bladder needs emptying
6. Being free of medical complications



1. Reducing the time required for bowel routine
2. Having predictability in bowel routine
3. Maintaining fecal continence
4. Independence in bowel management
5. Sense when bowel needs emptying
6. Being free of medical complications
7. Not needing daily medications

# Many individuals are interested in nerve stimulation approaches to improve function



# Acknowledgements (alphabetical)

Graham Creasey

Bill Fertig

Jennifer French

Tara Jeji

Anita Kaiser

Sasha Rabchevsky

Bruno Gallo Santacruz

Karl Thor

Tracey Wheeler

Jane Wierbicky

## **Funding and Support**

VA RRD RX001962 (Bourbeau)

North American Spinal Cord Injury Consortium!

