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## Dosing and Reasons for Transitioning From Sodium Oxybate to Lower-Sodium Oxybate: Data From the Transition Experience of Patients With Narcolepsy Taking Oxybate in the Real-World (TENOR) Study

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#### Introduction

- Lower-sodium oxybate (LXB) is an oxybate medication, containing 92% less sodium than sodium oxybate (SXB), that is approved by the US Food and Drug Administration (FDA) for treating cataplexy or excessive daytime sleepiness in patients with narcolepsy  $\geq$ 7 years of age and for treating idiopathic hypersomnia in adults<sup>1,2</sup>
- LXB has been recognized by the FDA in the narcolepsy population for its significant reduction in chronic sodium burden compared with SXB, which "will be clinically meaningful in reducing cardiovascular morbidity in a substantial proportion of patients for whom the drug is indicated"<sup>3</sup>
- When transitioning from SXB to LXB, the recommendation is to initiate LXB treatment at the same dose and regimen as SXB (gram-for-gram) and titrate based on efficacy and tolerability, if necessary<sup>1</sup>
- Controlled clinical trial data have demonstrated successful transitions from SXB to LXB<sup>1,2</sup>; however, real-world data are needed to inform expectations of the patient population and medical community regarding transitioning from SXB to LXB
- The Transition Experience of persons with Narcolepsy taking Oxybate in the Real-world (TENOR) study examined the impact of transitioning from SXB to LXB in a real-world setting

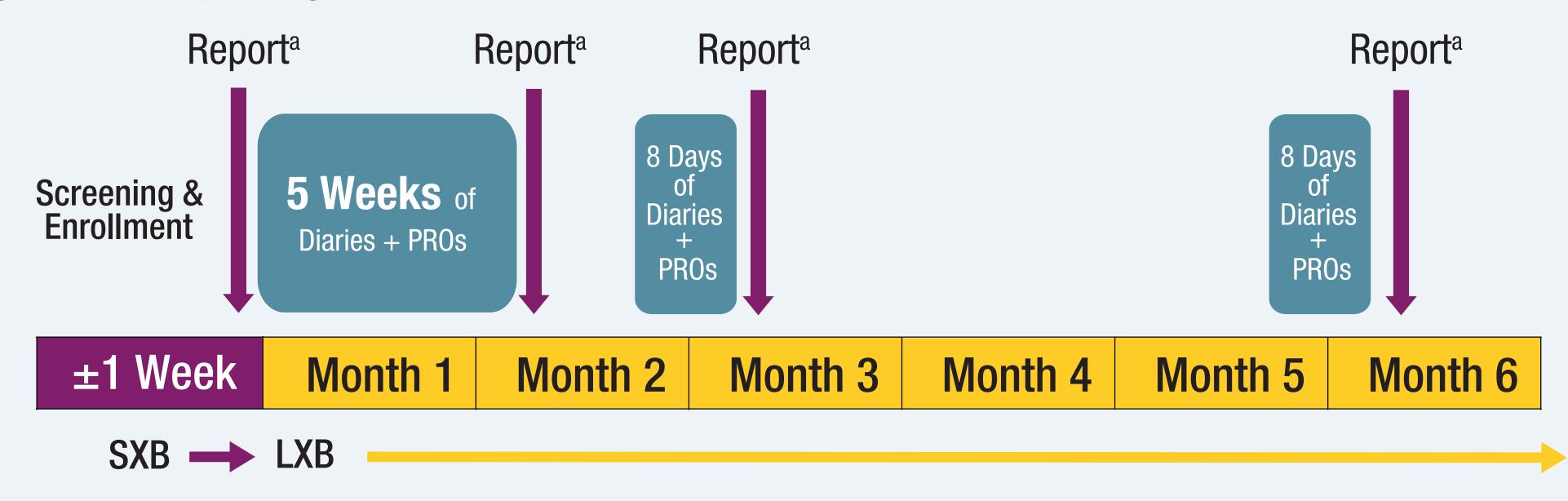
### **Objective**

 This analysis evaluated characteristics and dosing strategies of patients with narcolepsy who transitioned from SXB to LXB in TENOR

#### Methods

- TENOR was a patient-centric, prospective, observational, noninterventional, virtual-format study (NCT04803786)
- Eligible participants included US adults with confirmed narcolepsy (type 1 or 2) transitioning from SXB to LXB within the previous or upcoming 7 days
- Longitudinal data were collected for 21 weeks post-transition (including data collected at initiation of LXB treatment) via daily and weekly diaries and questionnaires completed by participants
- These analyses comprise an interim data cut (as of October 13, 2021) and include baseline data (taking SXB) from all enrolled participants and 1-week follow-up data (taking LXB) for those who had completed this timepoint
- Continuous variables were summarized with descriptive statistics (n, mean, standard deviation [SD], median, quartiles, minimum, and maximum); frequency counts and percentage of participants within each category were provided for categorical data

#### Figure 1. Study Design



LXB, lower-sodium oxybate; PRO, patient-reported outcome; SXB, sodium oxybate.

<sup>a</sup>Each participant engagement report includes a different combination of personal, aggregate, and study-related data.

References: 1. XYWAV<sup>®</sup> (calcium, magnesium, potassium, and sodium oxybates) oral solution, CIII [prescribing information]. Palo Alto, CA: Jazz Pharmaceuticals. 2. Bogan RK, et al. Sleep. 2021;44:zsaa206. 3. US Food and Drug Administration. Clinical superiority findings. 2021. Available at: https://www.fda.gov/industry/ designating-orphan-product-drugs-and-biological-products/clinical-superiority-findings.

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#### Results

Table 2.	Dosina	Regimens	for SXB	and LXB
	DUSING	neginens		

	SXB Dose	Starting LXB Dose	<b>LXB Dose After 1 Week</b>
Characteristic	N=85	n=84	n=79
Doses per night, n (%)			
1	2 (2.4)	1 (1.2)	1 (1.3)
2	82 (96.5)	82 (97.6)	77 (97.5)
3	1 (1.2)	1 (1.2)	1 (1.3)
Dosing strategy for twice-nightly regimens, n (%)			
Equal doses	72 (87.8)	73 (89.0)	68 (88.3)
Unequal doses: first dose higher	9 (11.0)	7 (8.5)	6 (7.8)
Unequal doses: second dose higher	1 (1.2)	2 (2.4)	3 (3.9)
Total nightly dose, g			
Mean (SD)	7.7 (1.5)	7.7 (1.5)	7.8 (1.5)
Median (Q1, Q3)	8.0 (7.0, 9.0)	8.0 (6.6, 9.0)	8.0 (6.8, 9.0)
Min, Max	4, 12	5, 12	5, 12
≤4.5 g, n (%)	5 (5.9)	6 (7.1)	5 (6.3)
>4.5 to ≤6.0 g, n (%)	13 (15.3)	13 (15.5)	11 (13.9)
>6.0 to ≤7.5 g, n (%)	19 (22.4)	18 (21.4)	19 (24.1)
>7.5 to ≤9.0 g, n (%)	47 (55.3)	46 (54.8)	43 (54.4)
>9.0 g, n (%)	1 (1.2)	1 (1.2)	1 (1.3)

• The SXB dose and starting LXB dose were gram-for-gram in 87% of participants

• Dosing regimens were similar before, during, and 1 week after transition from SXB to LXB

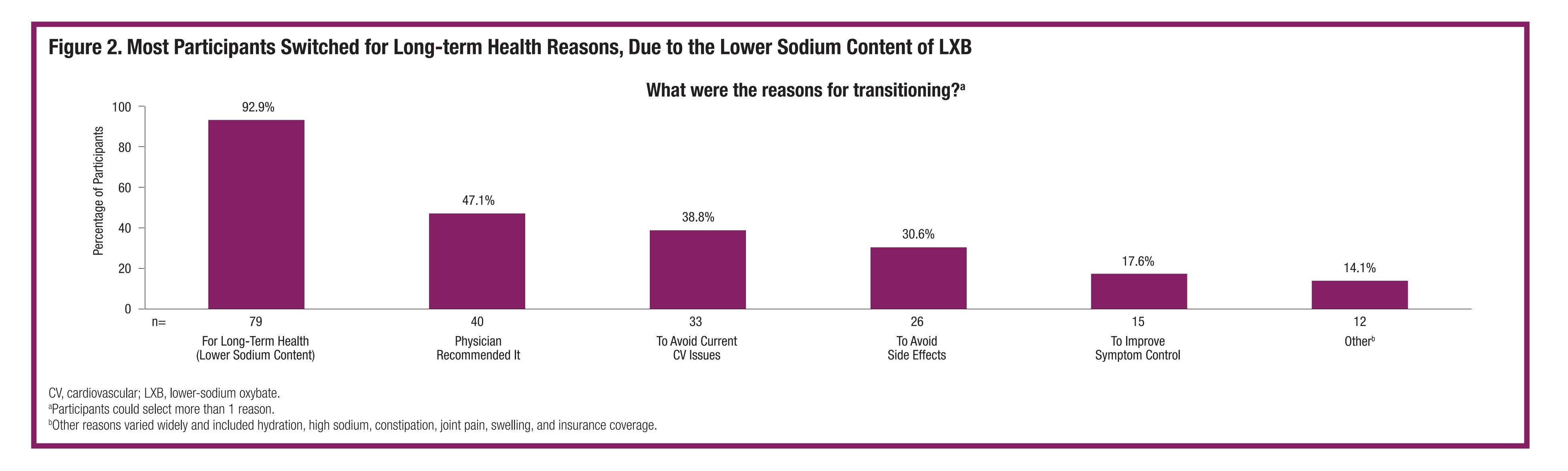
- Five (6%) participants reported an LXB dosing change after transitioning (1 increased dose, 3 decreased dose, and 1 changed to unequal doses)

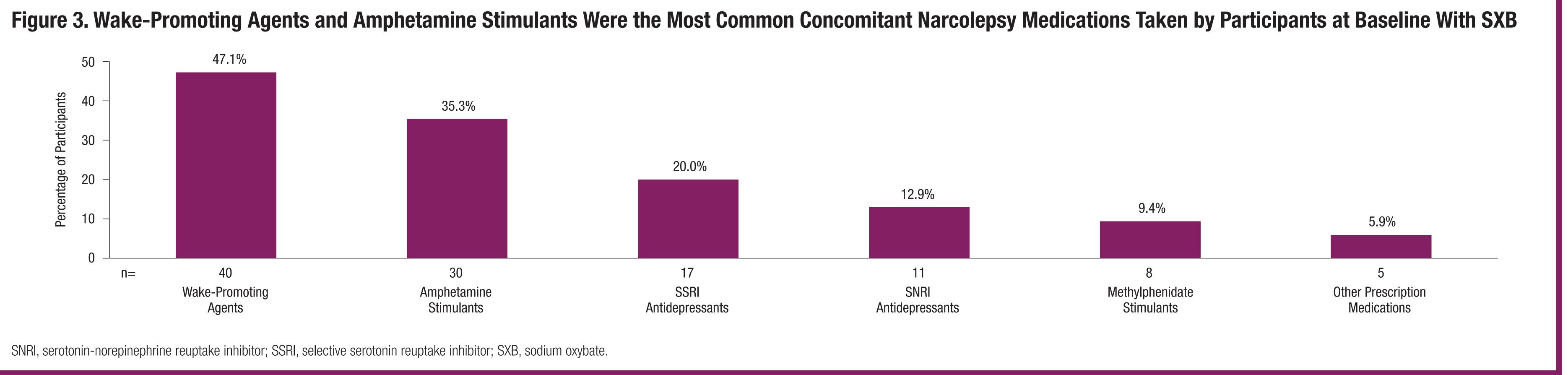
Table 1. Participant Demographics				
Characteristics	Total N=85			
Age, years, mean (SD)	40.3 (13.0)			
Female, n (%)	62 (72.9)			
BMI, kg/m <sup>2</sup> , mean (SD)	28.0 (9.6)			
Ethnicity, n (%)				
Hispanic, Latino, or Spanish origin	5 (5.9)			
Not Hispanic, Latino, or Spanish origin	80 (94.1)			
Race, n (%) <sup>a</sup>				
American Indian or Alaska Native	3(3.5)			
Asian Diselver African American	4 (4.7)			
Black or African American	6(7.1)			
White	74 (87.1)			
Other	5 (5.9)			
Current employment status, n (%) <sup>a</sup>				
Employed full-time	46 (54.1)			
Employed part-time	10 (11.8)			
Unemployed	7 (8.2)			
Student	13 (15.3)			
Homemaker	8 (9.4)			
Retired	8 (9.4)			
Geographic region (United States), n (%)				
Midwest	19 (22.4)			
Northeast	15 (17.6)			
South	39 (45.9)			
West BML body mass index: SD, standard deviation.	12 (14.1)			

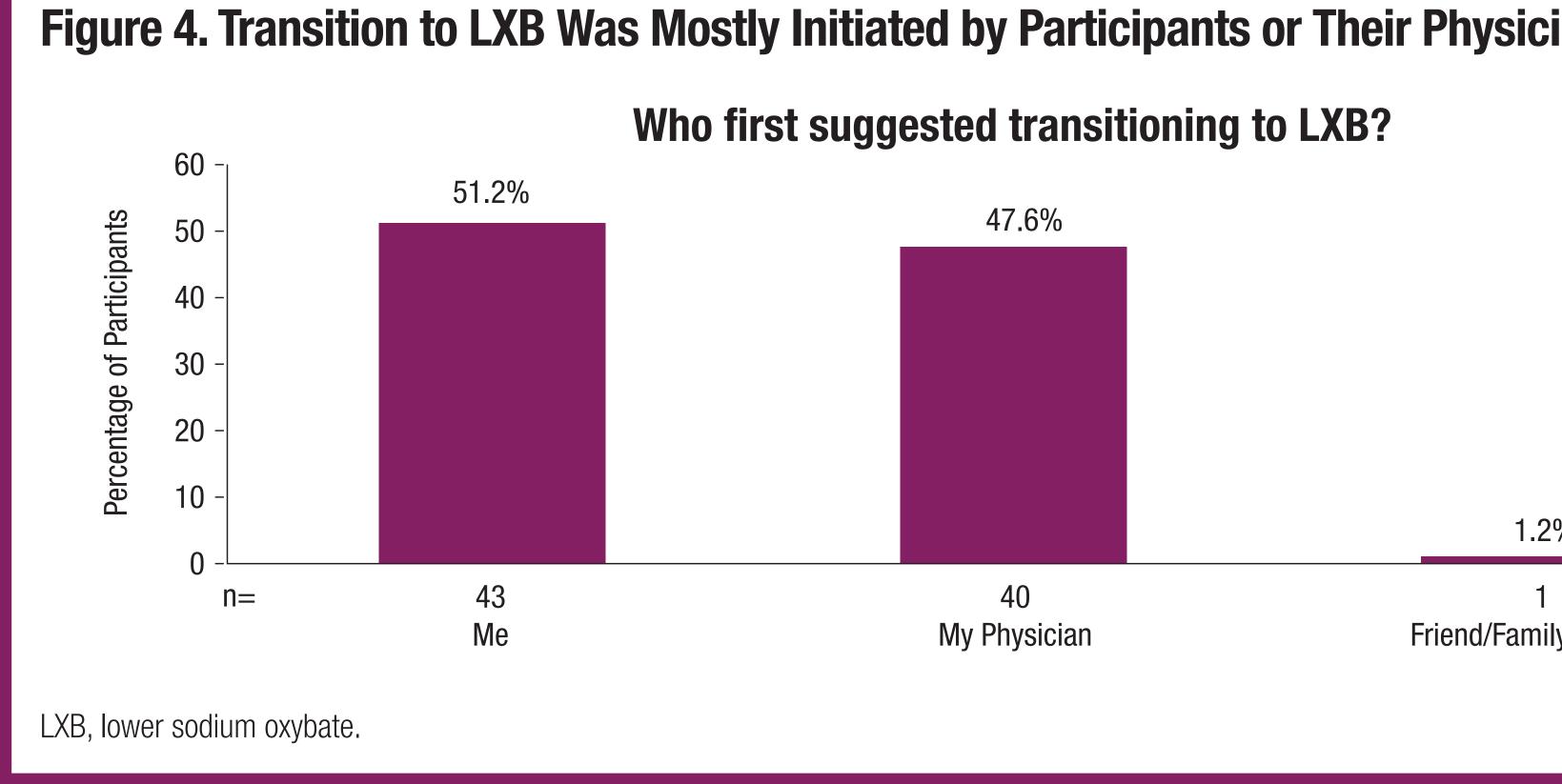
BMI, body mass index; SD, standard deviation.

<sup>a</sup>Selection of multiple categories was allowed; percentages may sum to greater than 100%.

- This analysis included 85 participants (narcolepsy type 1, n=45; narcolepsy type 2, n=40) at baseline and 79 participants (narcolepsy type 1, n=42; narcolepsy type 2, n=37) at week 1
- At baseline, most participants took  $\geq 1$  concomitant medication for narcolepsy (79%) in addition to SXB
- Participants had been taking their current SXB treatment episode for a median (interquartile range) of 48 (15.0–75.0) months (self-reported)







sicians	Conclusions	
	<ul> <li>At week 1, the majority of TENOR participants transitioned from SXB to LXB using a gram-for-gram dose conversion</li> </ul>	
1.2% 1 amily Member	<ul> <li>Participants, as well as their physicians, prompted transitioning from SXB to LXB</li> <li>The most common reason for switching was for long-term health due to the lower sodium content of LXB</li> </ul>	Scan this code to access this poster online. This code is not for promotional purposes