







Objectives and Methodology

Experience living with migraine disease The objective of Burden of migraine disease this research is to characterize the journey of people living Current treatment approach with migraine disease and understand the Satisfaction with treatment physical and emotional barriers to preventive treatment. Prior experience with preventive treatment Emotional, physical, and financial barriers to preventive treatment

This research was conducted via a 20-minute online survey conducted with patients who suffer migraine attacks.

Data was collected between February – March 2021.

Patients were recruited from both the National Headache Foundation membership and a national panel of people with migraines.

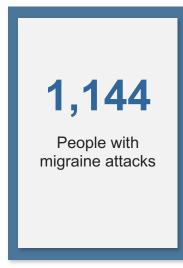
To participate, patients must:

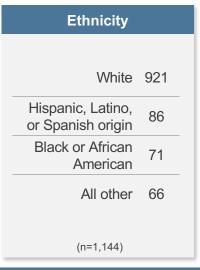
- Have been diagnosed by a healthcare provider with migraine disease for 2 or more years
- Be 18 years or older
- · Reside in the U.S.
- Satisfy one of the following criteria:
 - Had at least 8 migraine attacks in the prior month
 - Been prescribed a preventive migraine treatment
 - Currently taking a preventive migraine treatment
 - Previously taken a preventive migraine treatment

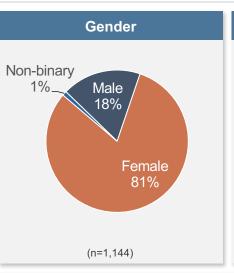
Stat testing where bases are sufficient (n=30+) at 95% confidence level are noted

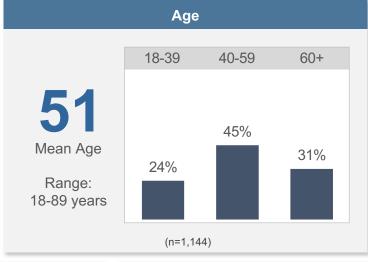


Profile of Respondents

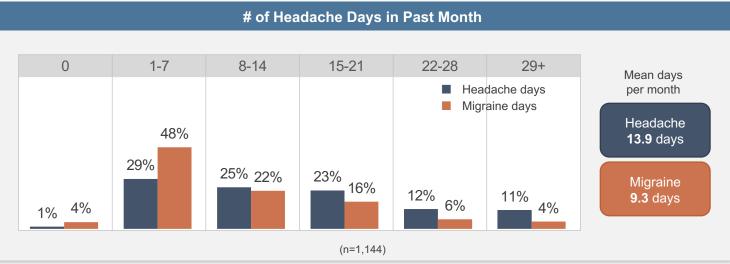


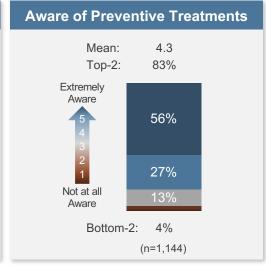


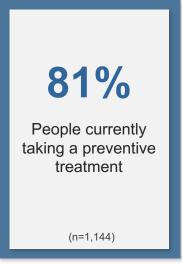










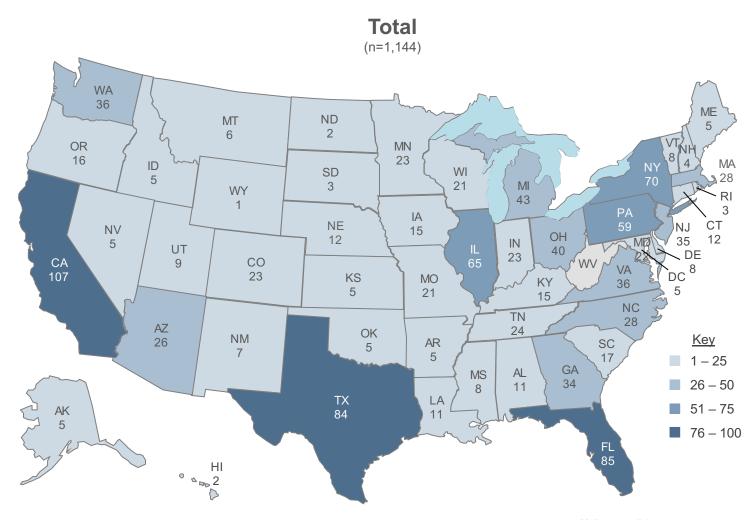


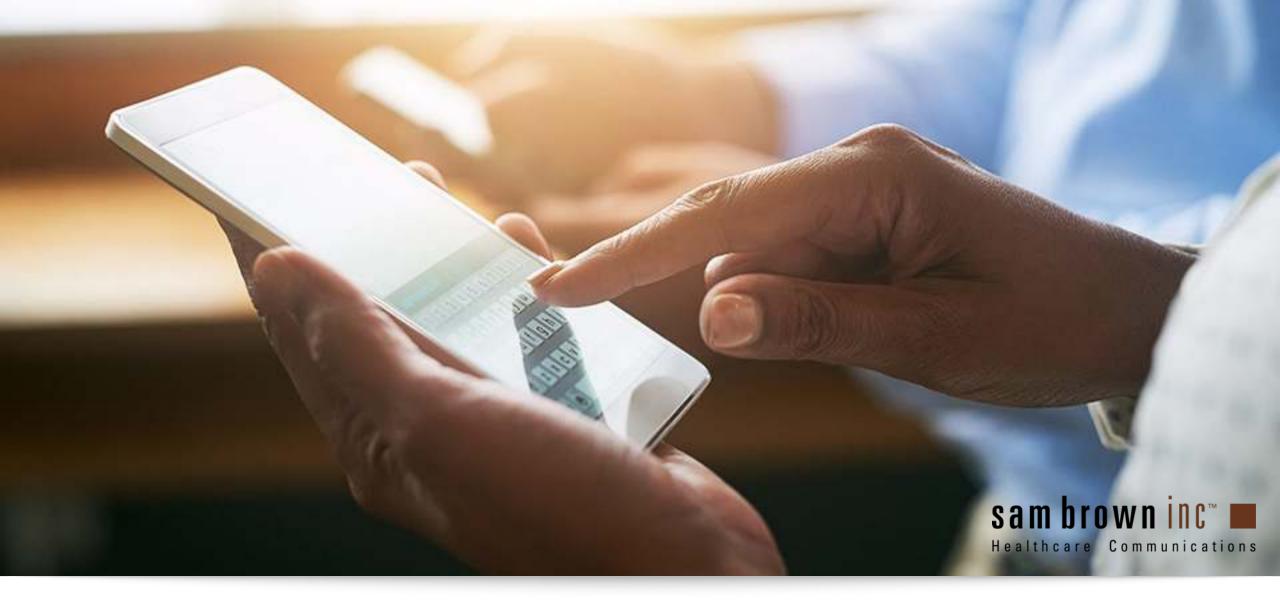
Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level

Q2. What is your age? Q5. How long ago were you first diagnosed with migraine disease by a healthcare provider? Q7. In the last month, approximately how many headache days have you had? A headache day is any day with headache, not limited to a migraine attack. Q8. In the last month, on how many of these [Q7] days did you experience a migraine attack? Q9. How aware are you of prescription treatments that can be taken to prevent migraine attacks? Q11. Which of the following prescription treatments are you currently taking (or using) to prevent migraine attacks? Select all that apply. Q49. What is your gender? Q51. Which of the following best describes you? Select all that apply.



Profile of Respondents





Executive Summary

Profile of Respondents

- This research includes 1,144 people with migraine disease who had at least 8 migraine attacks in the prior month, have been prescribed a preventive migraine treatment, are currently taking or have previously taken a preventive migraine treatment.
- People with migraine were diagnosed with migraine disease 24 years ago, on average, typically by a general neurologist (30%), family practice physician (30%), or headache specialist (23%).

Attitudes About Migraine Disease

- Migraine disease has a broad and negative impact on people's lives, effecting their energy level (64%), mental clarity (57%), productivity (54%), personal relationships (31-50%), and professional success (49%).
- Half of people (50%) are dissatisfied with their ability to control their migraine disease. They are frustrated (39%), exhausted (29%), and stressed (19%) by their disease. For many (67%), having migraine disease under their control feels like an unreachable goal.
- People with migraine disease often feel life is passing them by (65%).
- Black people with migraine disease grapple with negative feelings more frequently than other ethnicities. They often feel a keen sense of frustration in adjusting treatments (mean: 3.9 on 5-pt scale), that life is passing them by (mean: 4.0 on 5-pt scale), and that they are a "guinea pig" as their healthcare provider tries to find the right preventive treatment for them (mean 3.7 on 6-pt scale). They often express anxiety at the thought of trying a new oral preventive treatment (35%).



Migraine Disease Progression

- Hormone changes were the trigger for worsening disease for approximately half of people (51%). Work-related stress also preceded worsening disease (19%).
- Nearly all (94%) people saw a healthcare provider after noticing an increase in migraine attack frequency/severity, half within the first year. Two-thirds (62%) of all people, and particularly Black (77%) and Hispanic (73%) people, wish they had sought care sooner.
- Once they saw a provider, half of people (47%) recall being told that there were preventive treatments for migraine attacks. Only one-third (30%) were informed that their migraine disease had progressed or become chronic.
- Some (9%) were told there was nothing that could be done. This was more likely to occur with Hispanic people (15%) than other ethnicities.

Preventive Treatment

- Participants in this research are highly aware of preventive treatment for migraine disease (83% very/extremely aware / mean 4.3 on 5-pt scale). Awareness is markedly lower amongst Hispanic (3.9 on 5-pt scale) and Black (4.2 on 5-pt scale) people.
- 81% of people are currently taking a preventive treatment; of those not taking a preventive treatment, most (73%) wish they were.
- People with migraine are not typically proactive in raising the topic of preventive treatment with their healthcare providers. Three-quarters (76%) recall their provider initiating the discussion about preventive treatment.
- Patients are typically prescribed a preventive treatment within 3 months of their initial visit regarding worsening migraine attacks (63%).
- Although people were worried about taking another medication with potential side effects (58%), they were relieved to learn there was a preventive treatment (78%). Younger patients (18-39 yrs) were more likely to be scared that this meant their migraine attacks would be an issue for the rest of their lives (69%).



- Non-white ethnicities are more likely to feel worried (3.9 on 5-pt scale) at the thought of taking a preventive treatment. They were less aware of preventive treatments prior to being prescribed one and were surprised and scared (3.4 and 4.0 on 5-pt scale) to learn that their migraine attacks would be part of their lives forever and that their disease was serious enough to require prevention) 3.9 and 3.4 on 5-pt scale).
- While newer classes of treatment have made dramatic inroads amongst people with migraine disease, older classes of treatments (e.g., anti-seizure, antidepressants, blood pressure meds) continue to be commonly used.
 - One-third are taking anti-seizure drugs (35%), one-third antidepressants (31%), and one-third blood pressure medication (31%)
 - Nearly half (45%) are currently taking a CGRP inhibitor
 - One-quarter (24%) are currently taking Botox

Future Preventive Treatment

- Overall satisfaction with current preventive treatment is modest. Only 18% are fully satisfied with their current preventive treatment.

 Nearly all people (84%) currently taking a preventive treatment- and particularly those younger than 60 wish there was a better option.
- The single most important attribute for a future preventive migraine treatment is to provide more migraine-free days per month (53% selected in top 3). Less frequent and less severe attacks are also important goals (50% and 43% selection in top 3, respectively), but the ultimate goal is more migraine-free days.
- Although people who have taken more than one preventive treatment are exhausted by the cycle of hoping for success followed by the disappointment of failure (76%), they remain hopeful the next preventive treatment may work (82%).
- Nearly all people (98%) are willing to consider a new oral treatment, with half (50%) stating they are extremely willing.



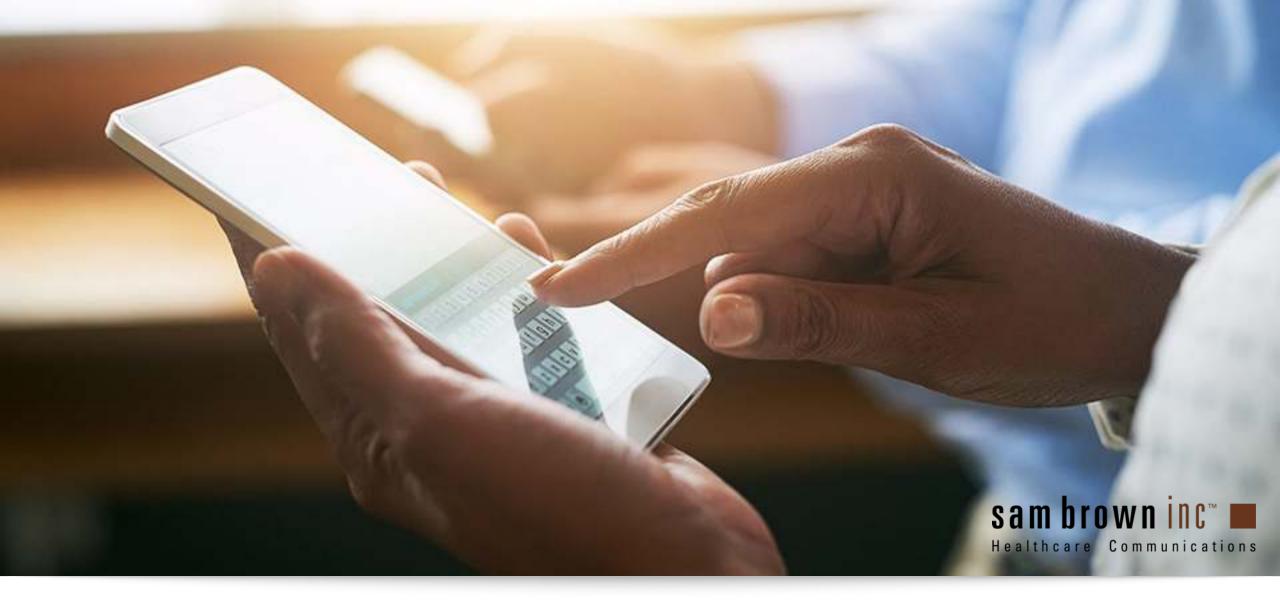
COVID

• Overall, COVID had a middling impact on people with migraine, but one-third (39%) describe no impact whatsoever. Blacks and Hispanics are more likely to have felt a negative impact than White people (3.1 and 2.9, respectively, versus 2.4 on a 5-pt scale). Those who were impacted struggled to see their healthcare provider in a timely manner (46%). They do not find telemedicine to be of comparable quality to an in-person visit (43%) but are not comfortable going to the office in-person (33%).

Educational Opportunity

- While many people know about the potential for migraine disease to progress, there remains an educational opportunity surrounding many aspects of the condition. One-third (29%) do not clearly understand that migraine disease can be progressive, that the risk of anxiety and depression increases with the number of migraine attacks (33%), and that overuse of acute treatments may lead to more attacks (35%). More than half (58%) do not clearly understand that sub-optimal acute treatment can lead to disease progression.
- Educational gaps are far more pronounced in non-White ethnicities, including Hispanic, Black, and All Other groups. (See slide 19 in report.)
- If they could give advice to their younger selves, people with migraine would stress the validity of their disease (50%) and urge them to seek medical attention for this debilitating disease (34%). They would stress self-advocacy and urge their younger selves to seek new options if they are not satisfied with their care (33%). One in five (22%) wish they could tell their younger selves that there are many treatments for migraine disease.



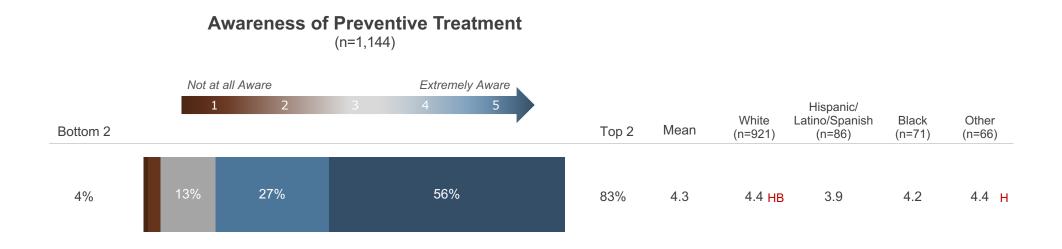


Attitudes About Migraine Disease



Awareness of Preventive Treatment

Overall awareness of preventive treatment is very high, with more than half describing themselves as extremely aware. Awareness is markedly lower amongst Hispanic and Black people.



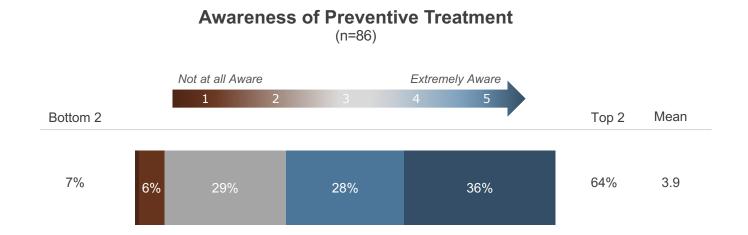


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Awareness of Preventive Treatment

Hispanic Only

Awareness of preventive treatment is markedly lower amongst Hispanic people (Top 2 box 64% for Hispanic versus 83% for Total).



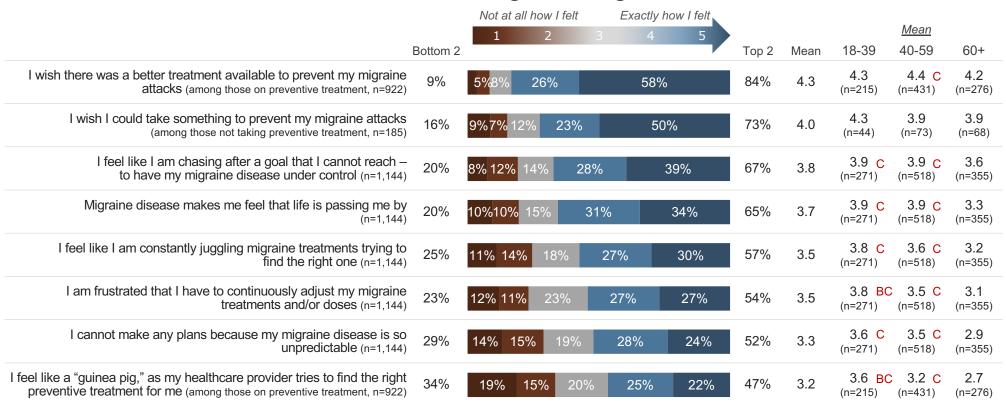




Feelings about Migraine Disease Treatment and Prevention

Nearly all people currently taking a preventive treatment- and particularly those younger than 60 - wish there was a better treatment. For many, having migraine disease under their control feels like an unreachable goal.

Feelings About Migraine Disease



Younger people (< 60 yrs) are most impacted by migraine disease. They describe frustration with juggling and adjusting their treatment and with their inability to make plans.

Note: Values < 5% are not labeled

Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q16. To what extent do each of the following statements capture how you feel about your migraine disease?

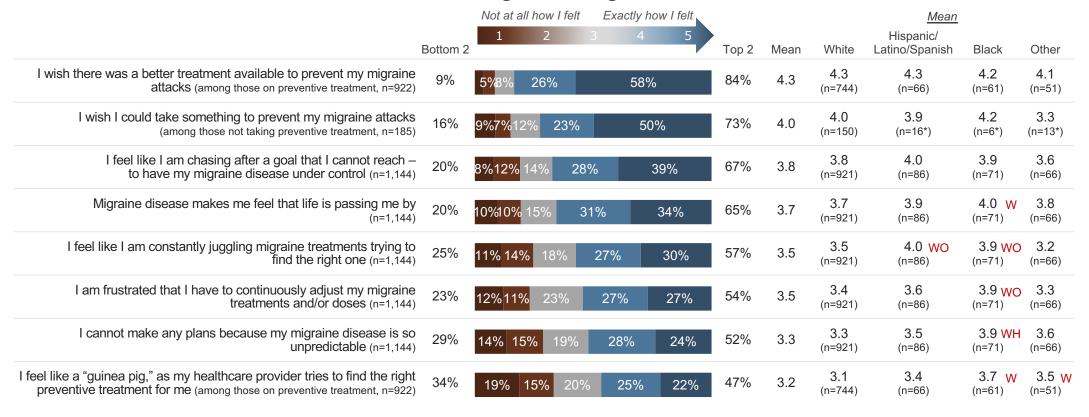




Feelings about Migraine Disease Treatment and Prevention

Black people with migraine disease grapple with negative feelings more frequently than other ethnicities. They often feel a keen sense of frustration, that life is passing them by, and that they are a "guinea pig" as their healthcare provider tries to find the right preventive treatment for them.

Feelings About Migraine Disease



Note: Values < 5% are not labeled

Stat: W/H/B/O indicates significant difference between [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q16. To what extent do each of the following statements capture how you feel about your migraine disease?

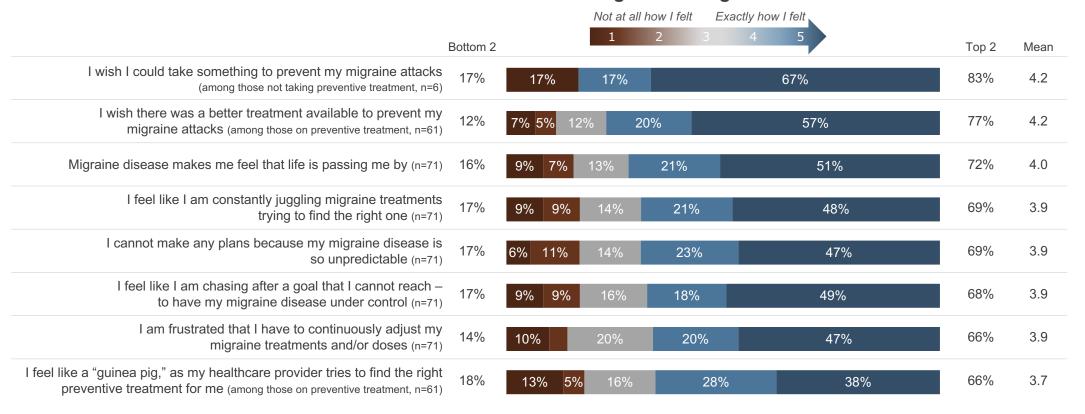




Feelings about Migraine Disease Treatment and Prevention Black Only

Black people with migraine disease grapple with negative feelings more frequently than other ethnicities. They often feel a keen sense of frustration, that life is passing them by, and that they are a "guinea pig" as their healthcare provider tries to find the right preventive treatment for them.

Feelings About Migraine Disease

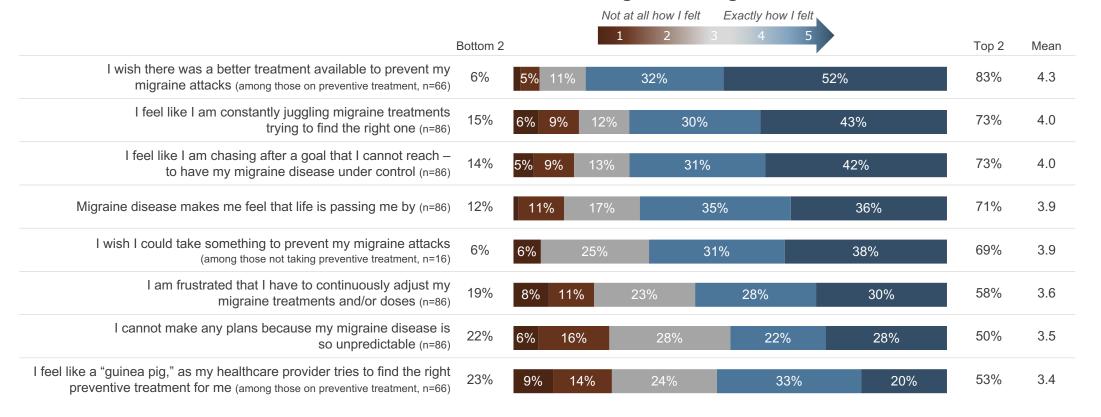




Feelings about Migraine Disease Treatment and Prevention Hispanic Only

Hispanic people with migraine also wish for better treatment to prevent their migraine attacks and feel they are constantly juggling to find the right treatment.

Feelings About Migraine Disease



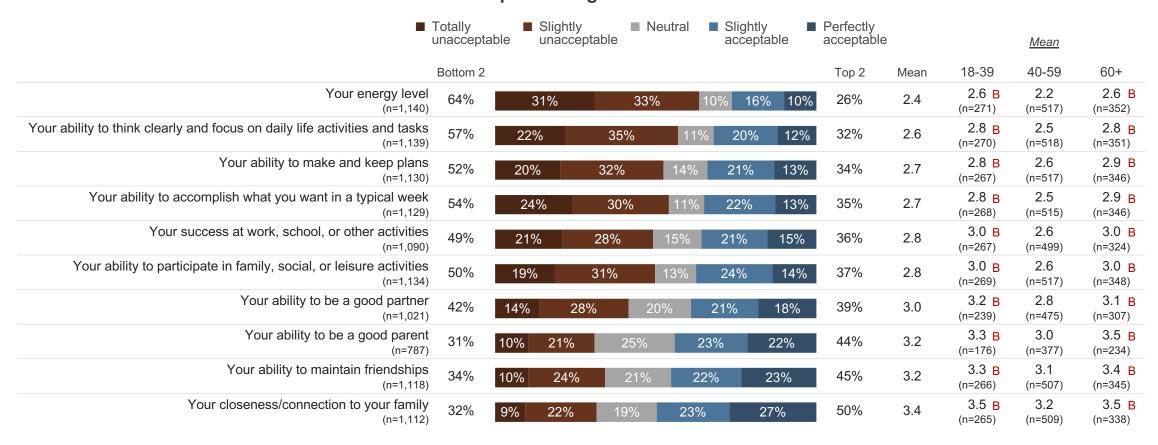


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Impact of Migraine Disease

Migraine disease has a broad and negative impact on people's lives, effecting their energy level, mental clarity, productivity, personal relationships, and professional success.

Impact of Migraine Disease on Your Life

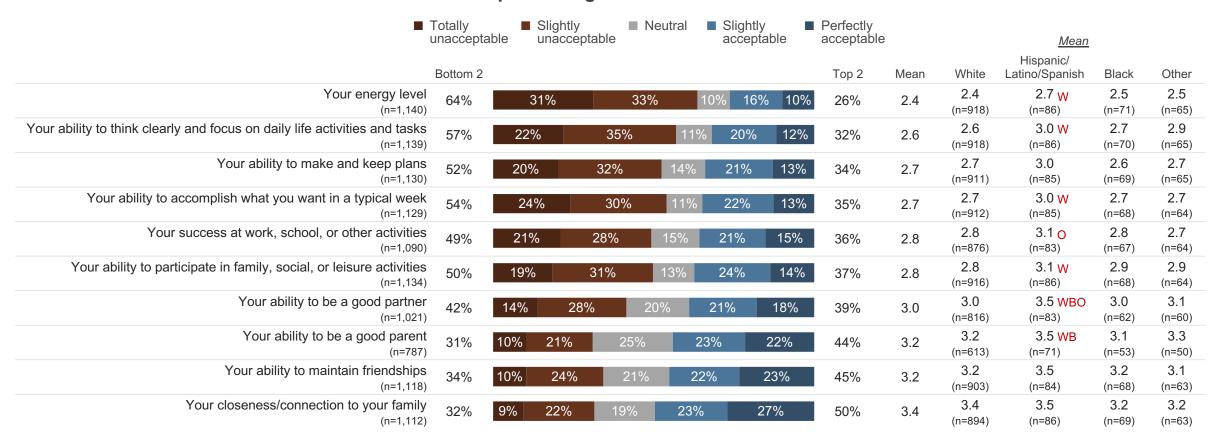




Impact of Migraine Disease

Black people with migraine disease are more likely to note negative impacts of migraine disease on their lives versus other ethnicities. They feel migraine disease diminishes their role in their families, as partners and as parents.

Impact of Migraine Disease on Your Life





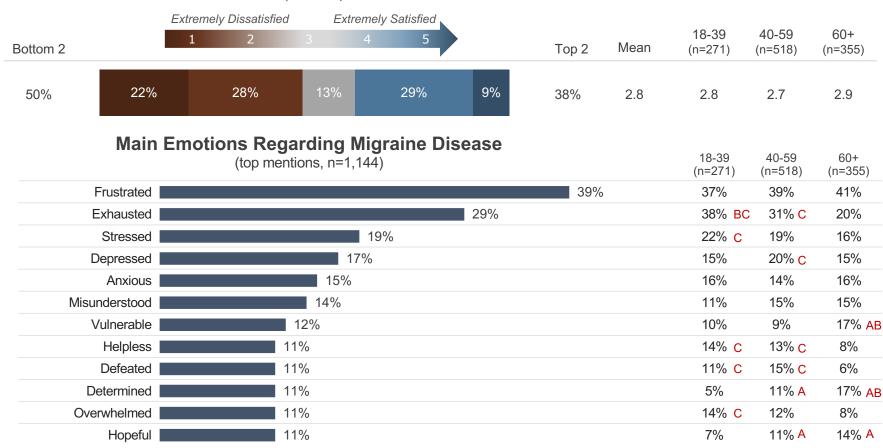


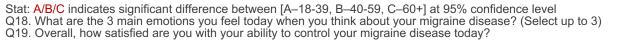
Emotions you Feel

Half of people are very / extremely dissatisfied with their ability to control migraine disease. Less than 10% are fully satisfied. People are left frustrated and exhausted, especially those younger than 60.

Satisfaction with Ability to Control Migraine Disease

(n=1,144)







Feelings about Healthcare Provider

The frustration associated with having migraine disease does not transfer to people's feelings about their healthcare provider. The majority feel their provider is up-to-date on preventive migraine treatment, understands their frustration, and works to find the best treatment. Feelings are consistently more positive for those being treated by a headache specialist or neurologist.

Feelings About Current Healthcare Provider

(n=1,144)



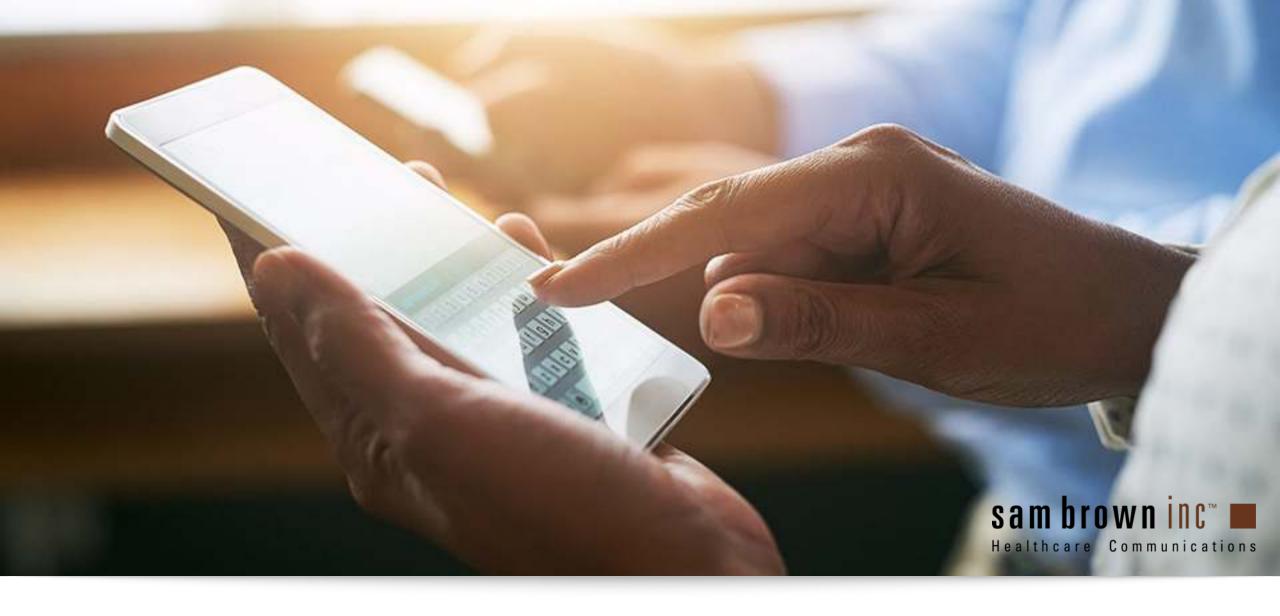
46% of patient's healthcare providers have discussed including mental health support as part of their treatment plan. (n=1,144)

Note: Values < 5% are not labeled ** Neurologist (not a headache specialist)

Stat: Q/R/S/T/U/V indicates significant difference between [Q-Headache specialist, R-Neurologist, S-Family/general practice T-Internal medicine, U-Pain specialist, V-All other] at 95% confidence level

Q20. To what extent do each of the following statements capture how you feel? The closer you click to the anchor statement, the more it reflects your agreement Q21. Has your healthcare provider ever discussed including mental health support (e.g., a psychologist or therapist) as part of migraine treatment plan?



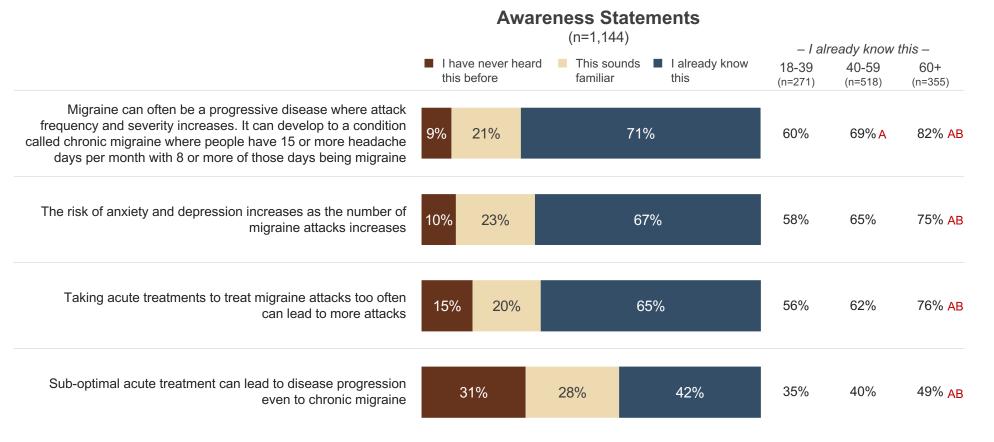


Migraine Disease Progression

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Awareness of Migraine Disease Progression

While many people know about the potential for migraine disease to progress, there remains an educational opportunity surrounding many aspects of migraine disease. One-third do not clearly understand that migraine disease can be progressive, that the risk of anxiety and depression increases with the number of migraine attacks, and that overuse of acute treatments may lead to more attacks. Almost two-thirds do not clearly understand that sub-optimal acute treatment can lead to disease progression.



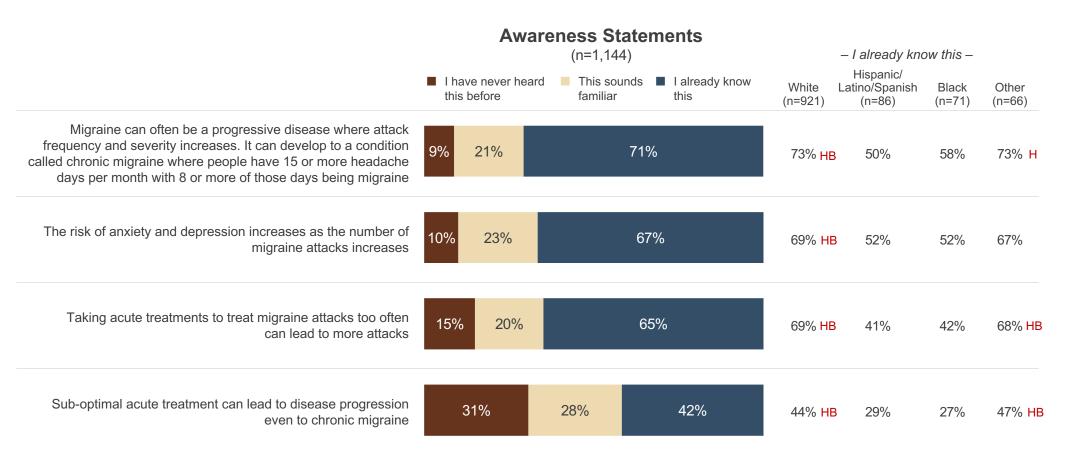
Educational gaps are most pronounced in younger people (18-39 yrs)



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Awareness of Migraine Disease Progression

Educational gaps are far more pronounced in non-White ethnicities, including Hispanic, Black, and All Other groups.



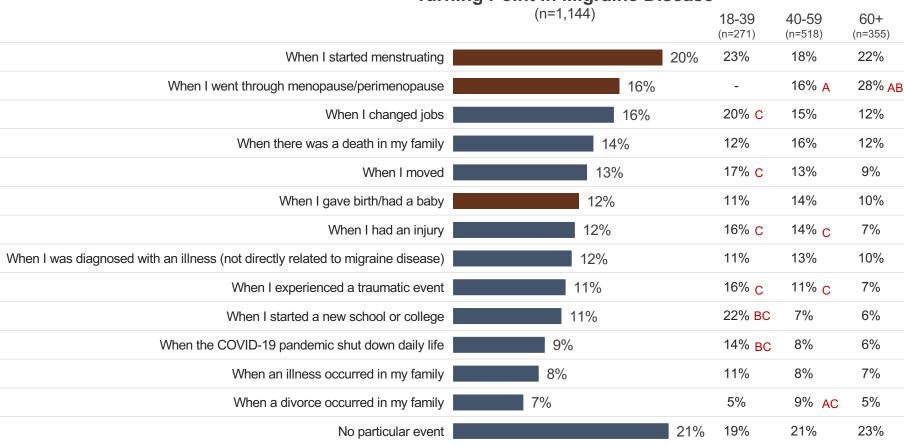


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Turning Point in Migraine Disease

Hormone changes were the trigger for worsening disease for approximately half of people. Other factors that preceded worsening disease include work-related stress and personal loss or trauma.

Turning Point in Migraine Disease



13 years ago

Noticed change in frequency/severity of migraine attacks (n=1,144)

Other:

- Professional changes (3%)
- Hormonal changes (3%)
 - Pregnancy, starting/stopping birth control, hysterectomy, fertility treatments



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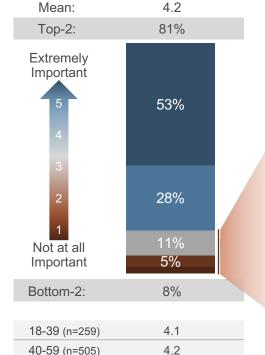
Urgency in Seeking Healthcare Upon Progression

Upon progression, the majority of people felt it was extremely important to see their healthcare provider. Those who did not feel a sense of urgency thought they could manage it on their own or, in the case of older people (60+ yrs), that there was nothing a healthcare provider could do to help.

Importance of Seeking HCP with Change in Migraine Attack Frequency

(n=1,103)

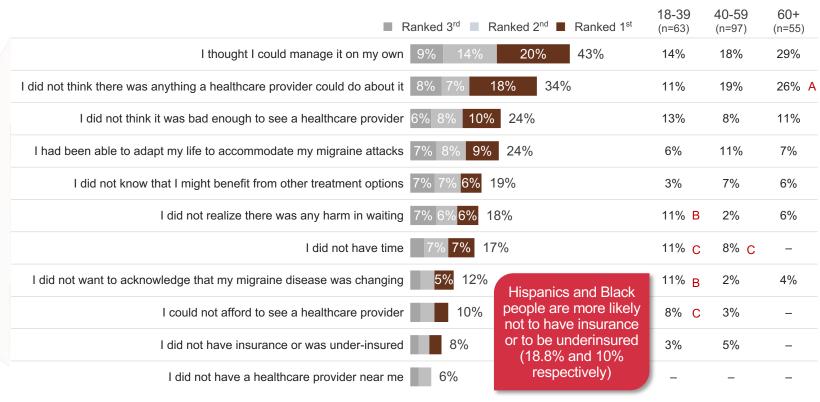




60+ (n=339)

4.3

Reason Less Important to Seek HCP (among those who felt it was less important, n=215)



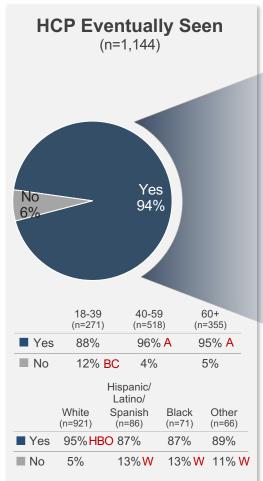
Note: Values < 5% are not labeled || Q25 base does not include those who selected 'NA' Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q25. How important was it for you to see your healthcare provider when you noticed the frequency or severity of your migraine attacks was changing? Q26. Iff 1, 2, or 3] Why did you feel this way?

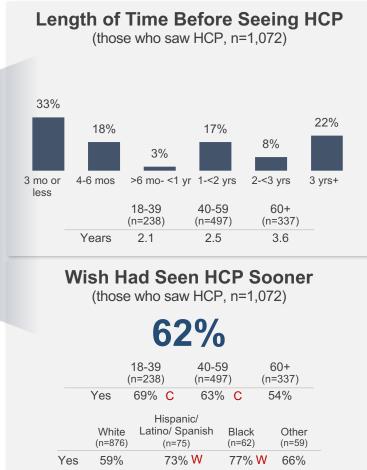


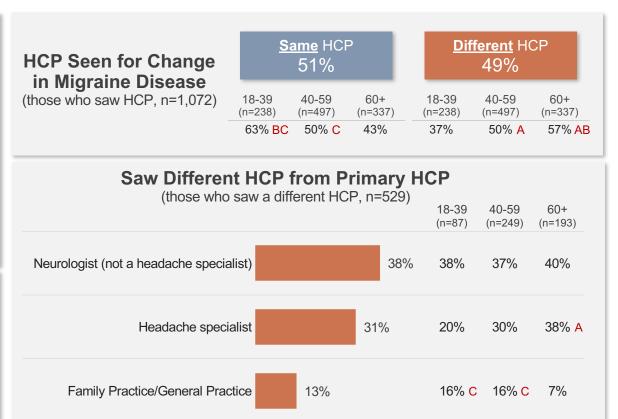
Ranked 1st

Decision to see Healthcare Provider Upon Progression

Nearly all people saw a healthcare provider after noticing an increase in migraine attack frequency/severity, half within the first year. Two-thirds of all people, particularly Black and Hispanic people, wish they had sought care sooner.







Internal medicine (treats only adults)

Stat: [A/B/C] [W/H/B/O] indicates significant difference between [A–18-39, B–40-59, C–60+] [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q27. Did you eventually see a healthcare provider? Q28. Approximately how much time passed between the time you noticed the frequency or severity of your migraine attacks was changing and the time you saw a healthcare provider about it? Q29. Do you wish you had seen a healthcare provider sooner? Q30. Did you see the same healthcare provider that had been treating your migraine attacks or a different provider? Q31. When you saw a different provider from your primary healthcare provider, what was the specialty of the provider that you saw?



3%

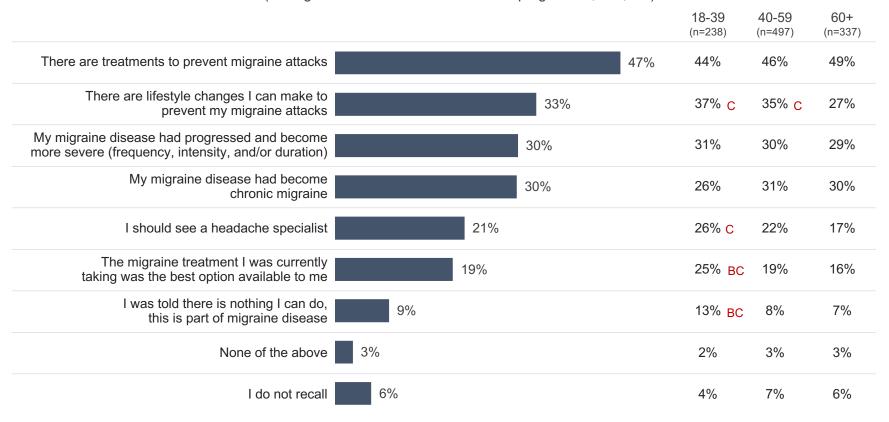


Healthcare Provider Discussion Regarding Migraine Disease Progression

Only half of people recall being told that there were preventive treatments for migraine attacks. Only one-third were informed that their migraine disease had progressed or become chronic. 1 in 10 were told there is nothing that could be done.

Healthcare Provider Discussion Regarding Migraine Disease Progression

(among those who saw HCP for disease progression, n=1,072)



Younger patients (18-39) are more likely to have been told to see a headache specialist.

More Hispanics (15%) were told there is nothing they can do, this is part of their migraine disease



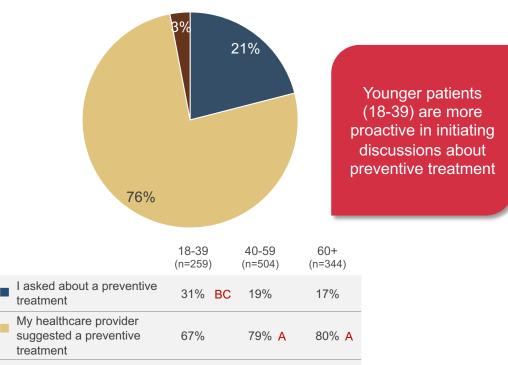
Starting a Preventive Treatment

Discussion of preventive treatment was ultimately initiated by the healthcare provider. Almost two-thirds of patients were prescribed a preventive treatment within 3 months of their initial visit.

Discussion Initiation for Preventive Treatment

(among those taking preventive treatment, n=1,107)

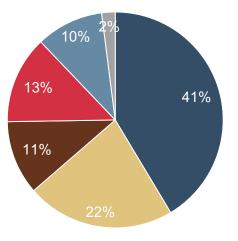
2%



3%

Time From Initial Appointment to Preventive Treatment Prescription

(among those taking preventive treatment and saw HCP for disease progression, n=1,040)



	18-39 (n=229)	40-59 (n=484)	60+ (n=327)
Initial appointment	38%	42%	46%
1-3 months	31% BC	21%	17%
4-12 months	13% C	13% C	7%
More than 1 year	10%	13%	17% A
Already taking	9%	11%	10%
Other	<1%	1%	4%

Note: Values < 5% are not labeled

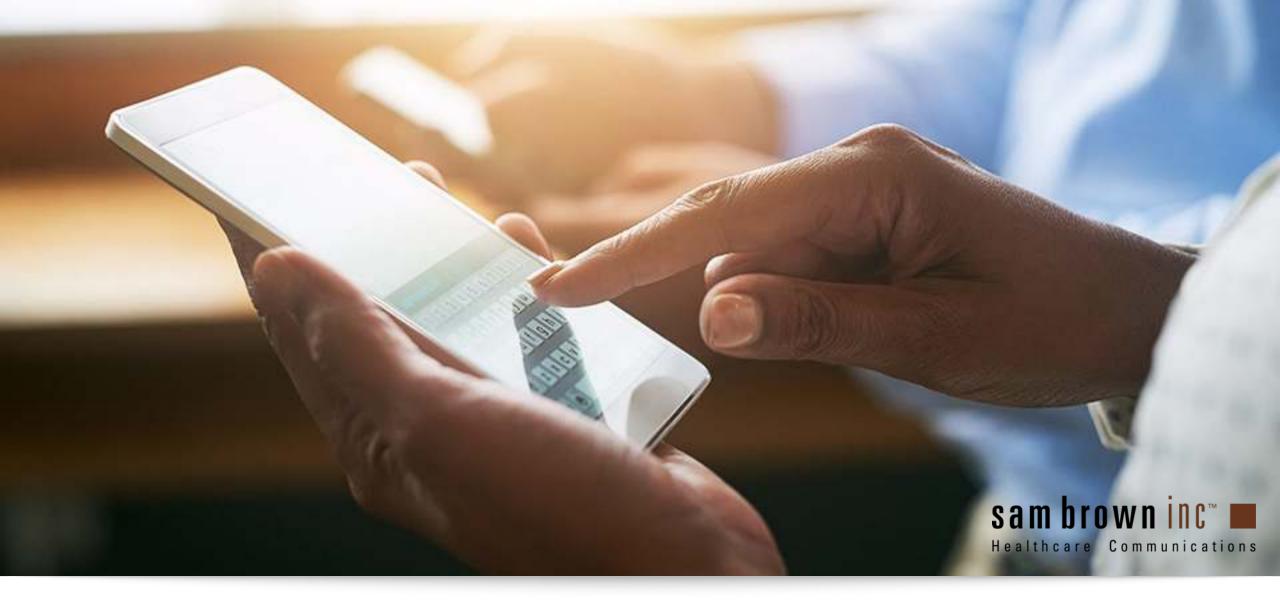
Other

Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q34. Earlier in the survey, you mentioned that you had been prescribed a preventive treatment.] When you were first prescribed a preventive treatment, did you ask your healthcare provider about it or did they suggest it? Q33. Earlier in the survey, you mentioned that you had been prescribed a preventive treatment. How much time passed from your initial appointment to discuss the increasing frequency and/or severity of your migraine attacks and the time that you were first prescribed a preventive treatment?

3%







Preventive Treatment

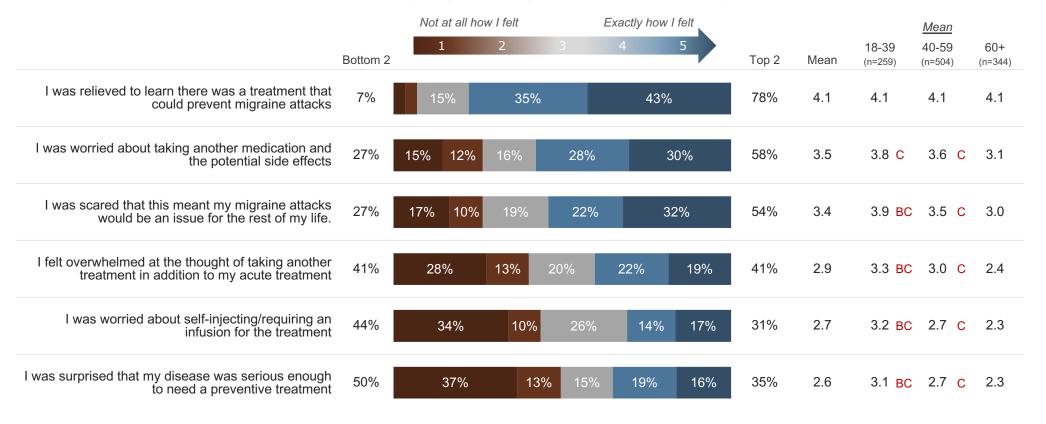


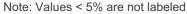
Starting a Preventive Treatment

Although people were worried about taking another medication with potential side effects, they were relieved to learn there was a preventive treatment. Younger patients (18-39 yrs) were more likely to be scared that this meant their migraine attacks would be an issue for the rest of their lives.

Feelings Toward Taking Preventive Treatment

(among those taking preventive treatment, n=1,107)





Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q36. How did you feel about taking a prescription treatment to prevent migraine attacks? The closer you click to the anchor statement, the more it reflects your agreement.

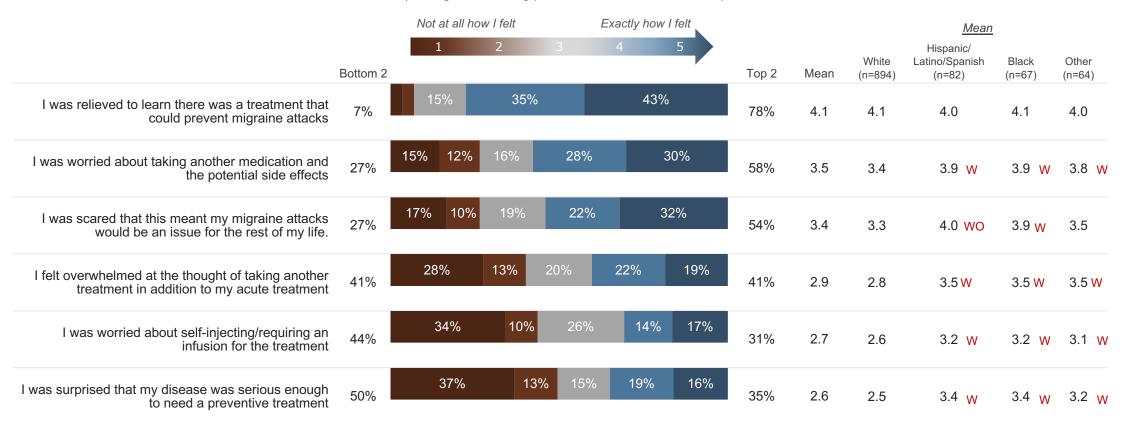


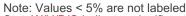
Starting a Preventive Treatment

Non-white ethnicities are more likely to feel worry, fear, and anxiety at the thought of taking a preventive treatment. They were less aware of preventive treatments prior to being prescribed such a treatment and were surprised and scared to learn that their migraine attacks would be part of their lives forever and that their disease was serious enough to require prevention.

Feelings Toward Taking Preventive Treatment

(among those taking preventive treatment, n=1,107)





Stat: W/H/B/O indicates significant difference between [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q36. How did you feel about taking a prescription treatment to prevent migraine attacks? The closer you click to the anchor statement, the more it reflects your agreement.

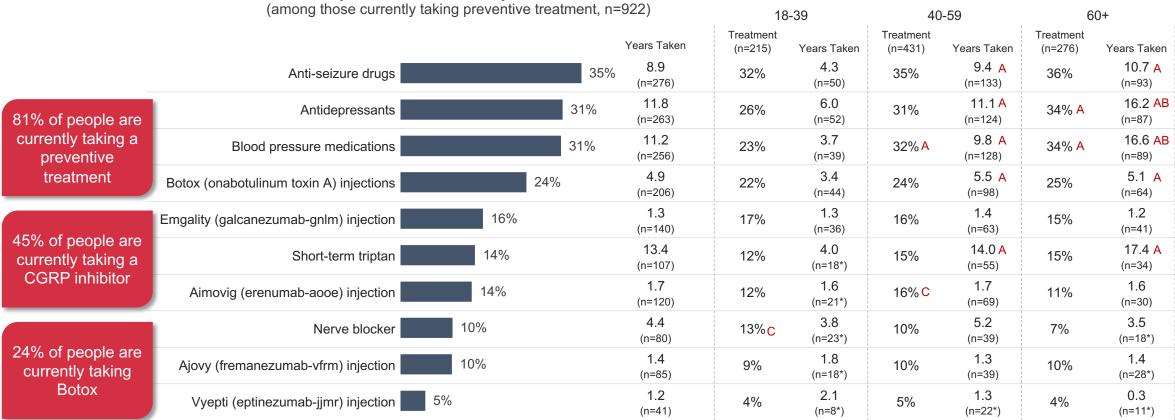




Current Preventive Treatment

While newer classes of treatment have made dramatic inroads amongst people with migraine disease, older classes of treatments (e.g., anti-seizure, antidepressants, blood pressure meds) continue to be commonly used. This is likely due to payer requirements coupled with the fact that they are effective for many people.

Current preventive Prescription Treatments



Note: *Caution small base | Q12 excludes 'Don't Recall' responses

Stat: A/B/C indicates significant difference between [A-18-39, B-40-59, C-60+] at 95% confidence level

Q11. Which of the following prescription treatments are you currently taking (or using) to prevent migraine attacks? Select all that apply. Q12. How long have you been taking each of these treatments to prevent migraine attacks?

NATIONAL HEADACHE FOUNDATION

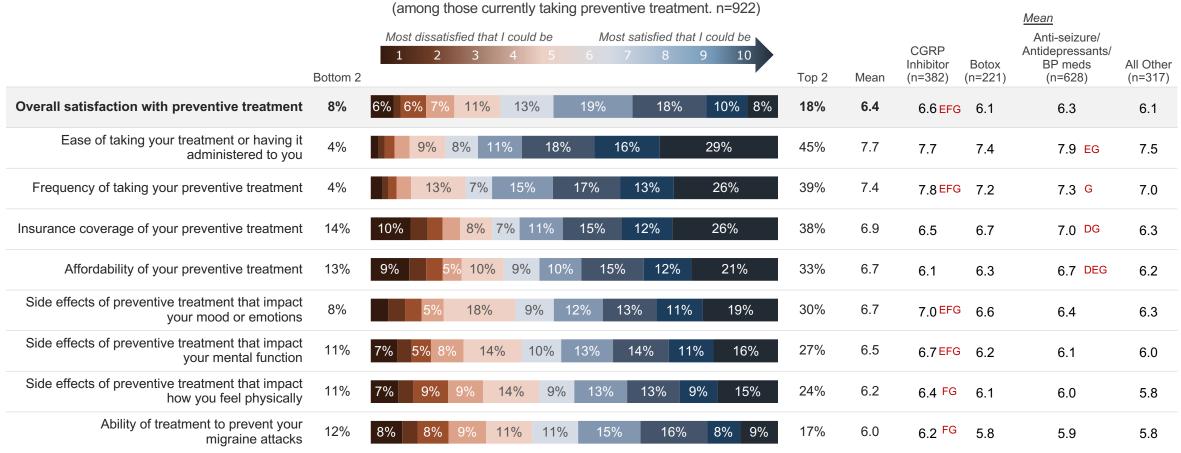
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Satisfaction with Current Preventive Treatment

Overall satisfaction with preventive treatment is modest. Those taking a CGRP Inhibitor are far more satisfied than other people as they find the frequency of dosing, side effect profile, and efficacy to be highly satisfactory.

Current Preventive Treatment Satisfaction



Note: Values < 5% are not labeled

Stat: D/E/F/G indicates significant difference between [D–CGRP Inhibitor, E–Botox, F–Anti-seizure/antidepressants/BP meds, F–All Other] at 95% confidence level Q37. Please think about the preventive treatment you are taking for your migraine disease today. Using the following scale, please rate your satisfaction on each of the following:





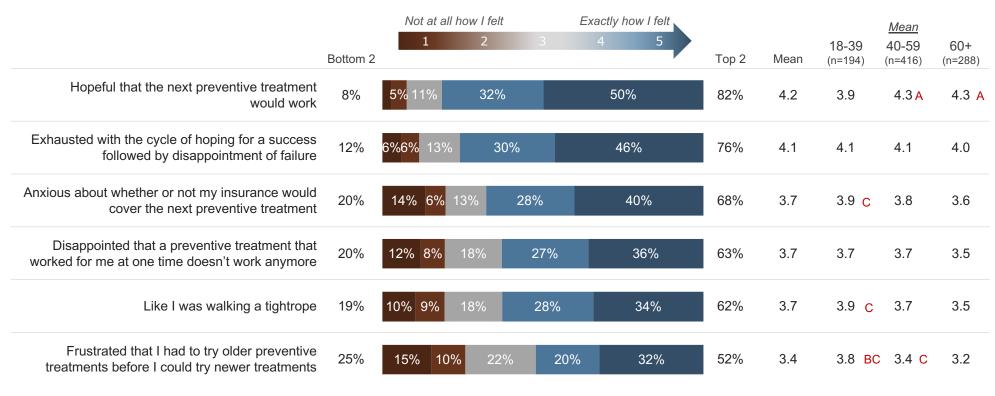
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Attitudes about Multiple Lines of Preventive Treatment

Although people who have taken more than one preventive treatment are exhausted by the cycle of hoping for success followed by the disappointment of failure, they remain hopeful the next preventive treatment may work.

Feelings About Migraine Disease

(among those who have taken more than one preventive treatment, n=898)



Anxiety about insurance coverage and frustration with having to take older preventive treatments first are more pronounced in younger people (18-39 yrs).

Hispanics are more frustrated than Whites that they had to try older preventive treatments (mean 3.9)

Note: Values < 5% are not labeled

Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q38. Please think about the different treatments you have taken to control your migraine attacks. To what extent do each of the following statements capture how you felt as you tried different preventive treatments?



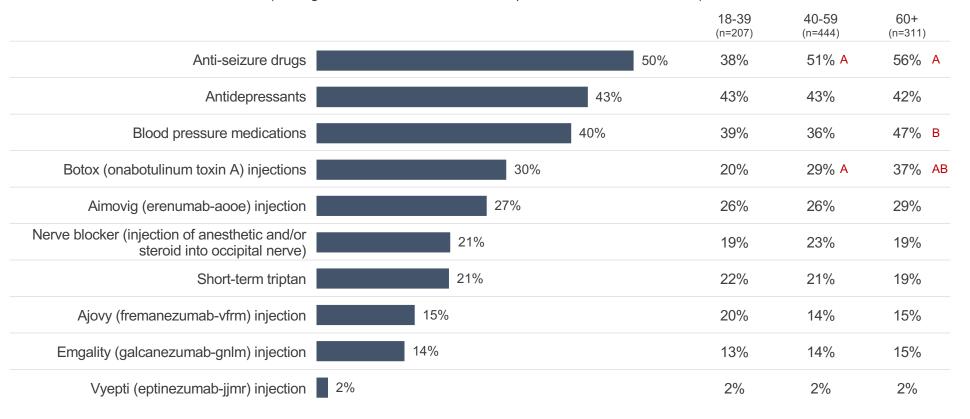


Discontinued Preventive Treatment

Given that older medication classes must be tried before moving to newer classes, it is not surprising that their discontinuation rates are high. The discontinuation rate for Aimovig, the market leading CGRP inhibitors, is notable, with 1 in 4 people stopping treatment.

Prior Preventive Treatments

(among those who have discontinued preventive treatment, n=962)





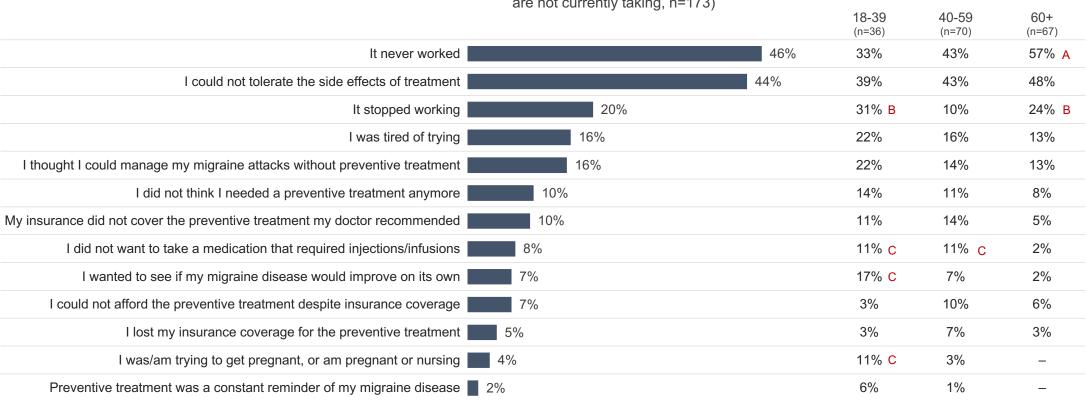
A

Attitudes about Decision to Discontinue Preventive Treatment

The most common reasons for discontinuation are lack of efficacy and intolerable side effects.

Reason to Discontinue preventive Treatment

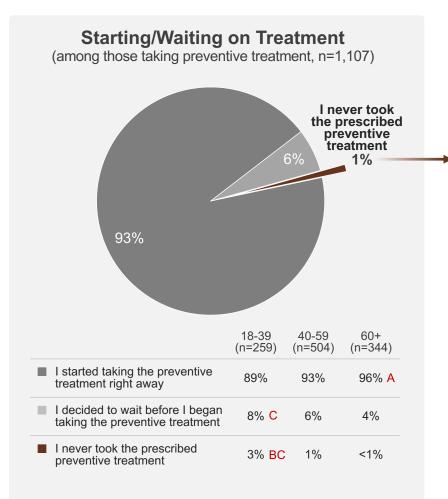
(among those who have previously taken preventive treatment but are not currently taking, n=173)

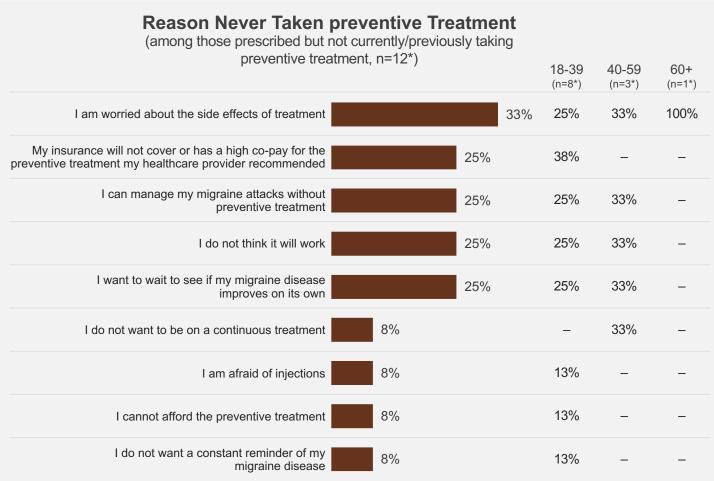




Barriers to Taking preventive Treatment

The small number of people who were prescribed but did not take a preventive treatment were often worried about the side effects of treatment.

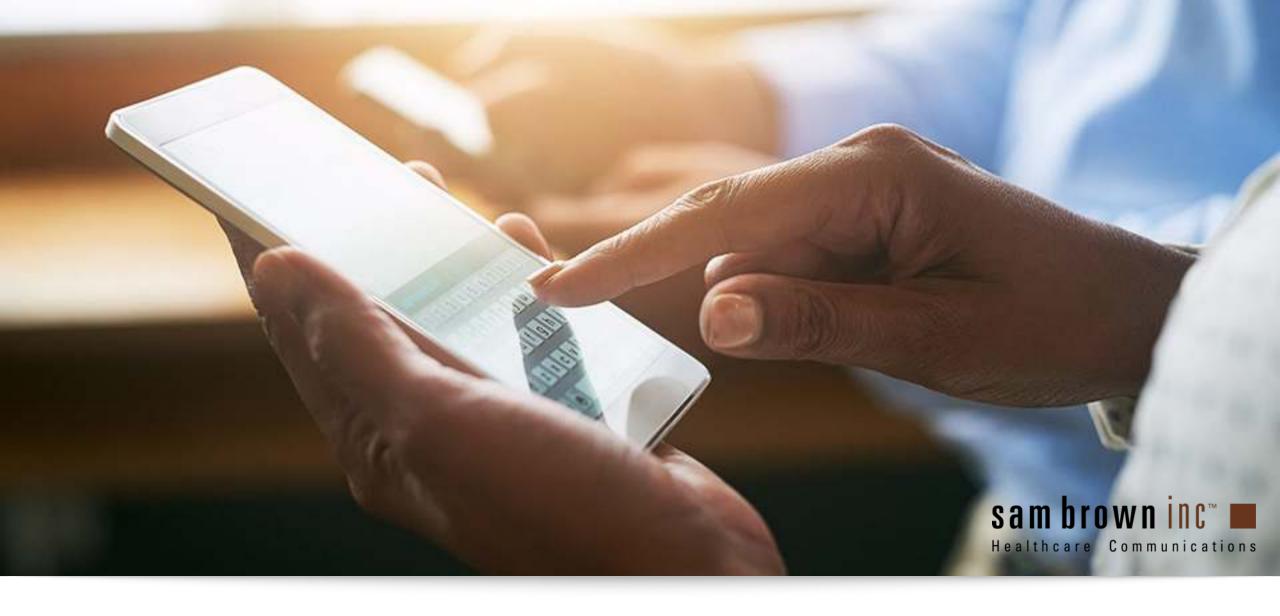




Note: * Caution small base

Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q35. Did you start taking the preventive treatment when it was first prescribed, or did you wait? Q40. Why have you never taken a preventive treatment for your migraine disease? Select all that apply.





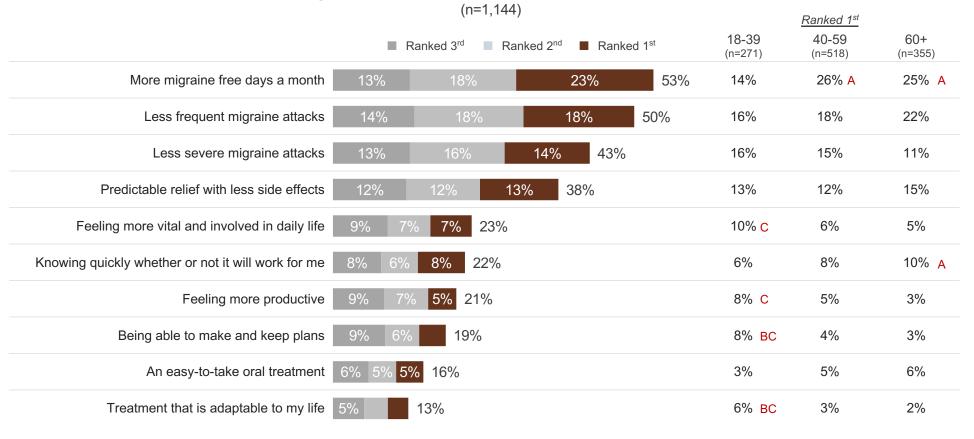
Vision for New Preventive Treatment

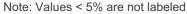


Driving Attributes For Future Preventive Migraine Treatments

The single most important attribute for a future preventive migraine treatment is to provide more migraine-free days per month. Less frequent and less severe attacks are also important goals, but the ultimate goal is more migraine-free days.

Most Important Attributes in New Preventive Treatment





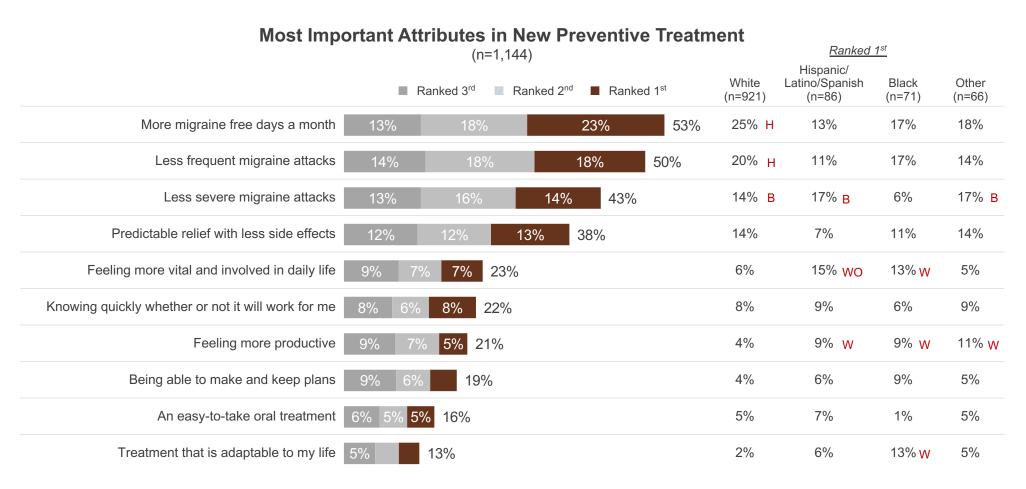
Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q41. When considering a new treatment to prevent migraine attacks, what is most important to you? Select top 3 in order of importance.

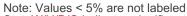




Driving Attributes For Future Preventive Migraine Treatments

Moreover, Black and Hispanic people also wish to feel more vital in their daily life and to feel more productive.





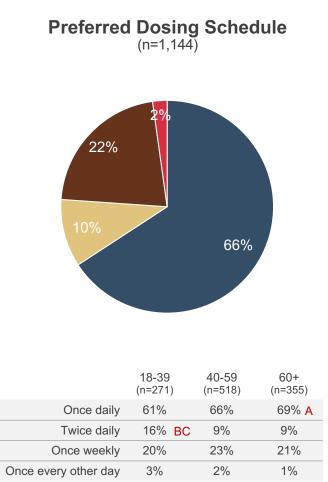
Stat: W/H/B/O indicates significant difference between [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q41. When considering a new treatment to prevent migraine attacks, what is most important to you? Select top 3 in order of importance.



New Oral Preventive Treatment

Nearly all people are willing to consider a new oral treatment, with half stating they are extremely willing. They feel hopeful and optimistic albeit uncertain and skeptical.

Willing to Consider Oral Treatment (n=1,144)4.1 Mean: 73% Top-2: Extremely Willing 50% 23% 18% Not at all Willing 6% Bottom-2: 10% 18-39 (n=271) 4.0 4.2 A 40-59 (n=518) 4.1 60+ (n=355)



Emotions About Trying New Oral Treatment (n=1,144)18-39 40-59 60+ (n=271)(n=518) (n=355)51% 41% 55% A Hope 52% A 39% 36% 42% 37% Uncertainty 36% 35% 35% 38% Skepticism 34% 35% 35% Optimism 34% 25% 32% BC 24% 20% Anxiety Excitement 17% 16% 12% Relief 15% 23% BC 14% 10% 13% C Fear 11% 7%

Blacks are also more anxious than whites (35%)

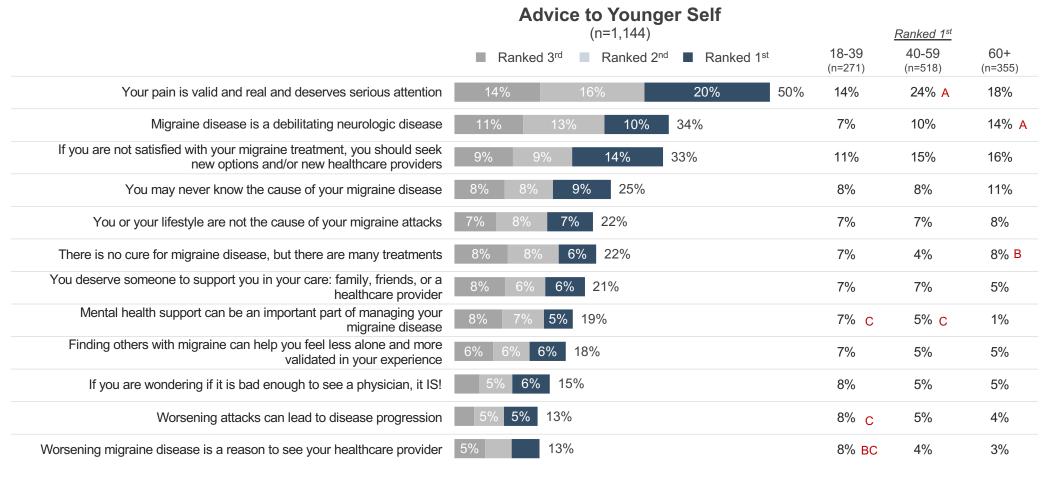
Note: Values < 5% are not labeled

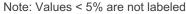
Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q42. How willing are you to consider trying a new oral treatment (taken by mouth) to prevent migraine attacks? Q43. What is your preferred dosing schedule for a new oral treatment to prevent migraine attacks? Q44. What emotions do you feel when you think about trying a new oral treatment to prevent migraine attacks? (Select up to 3)



Advice to Younger Self

If they could give advice to their younger selves, people with migraine would stress the validity of their disease and urge them to seek medical attention for this debilitating disease. They would stress self-advocacy and urge their younger selves to seek new options if they are not satisfied with their care.





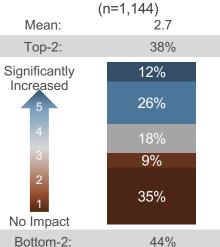
Stat: A/B/C indicates significant difference between [A–18-39, B–40-59, C–60+] at 95% confidence level Q45. What do you wish you could tell your younger self about migraine disease? Select top 3 in order of importance.

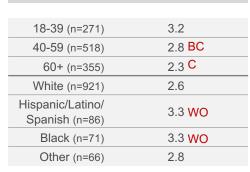


Impact of COVID on Migraine Disease Management

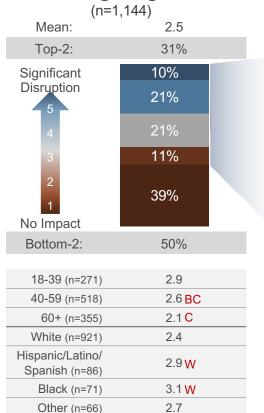
Overall, COVID had a middling impact on people with migraine, but one-third describe no impact whatsoever. Blacks and Hispanics are more likely to have felt a negative impact than White people. Those who were impacted struggled to see their healthcare provider in a timely manner. They do not find telemedicine to be of comparable quality to an in-person visit but are not comfortable going to the office in-person.

COVID Impact on Migraine Frequency





COVID Impact on Ability to Manage Migraines



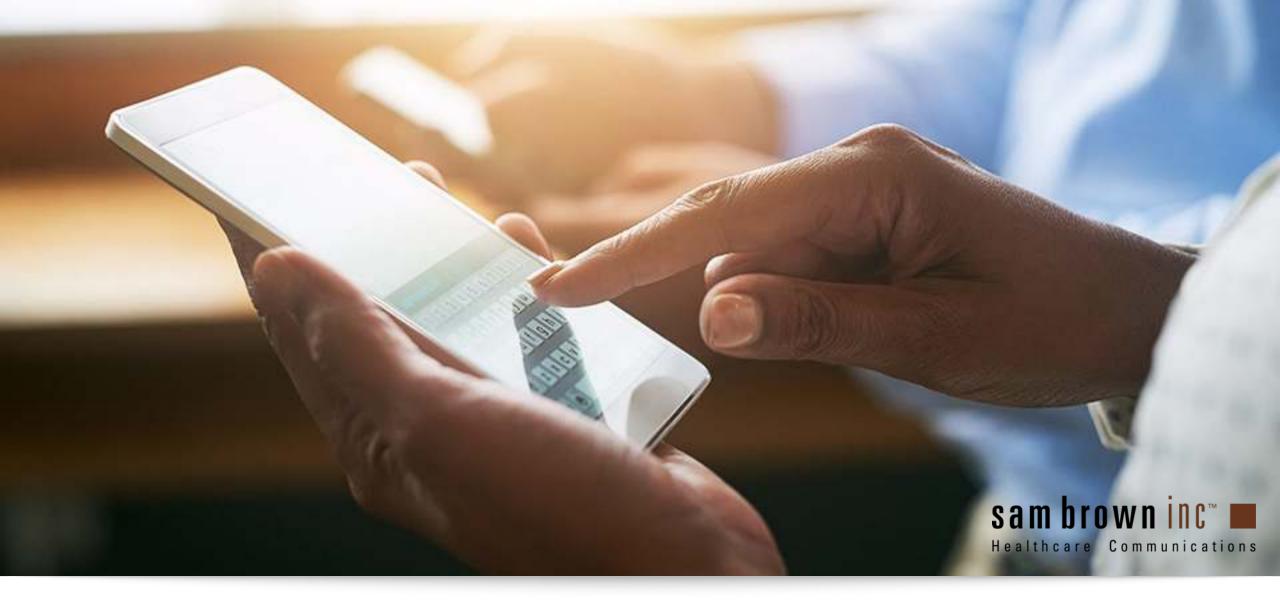
Most Challenging Aspects in Managing Migraines During COVID Pandemic

(among those impacted, n=795)	Ranked 1st		
■ Ranked 3 rd ■ Ranked 2 nd ■ Ranked 1 st	18-39 (n=213)	40-59 (n=362)	60+ (n=220)
I cannot get in to see my healthcare provider as quickly as I used to 10% 14% 22% 46%	18%	24%	21%
I do not find telemedicine visits to be of the same quality as in-person visit 9% 15% 19% 43%	16%	17%	27% AE
I am not comfortable going to my healthcare provider's office in person 6% 9% 18% 33%	13%	22% A	18%
I do not like telemedicine appointments 9% 10% 13% 31%	14%	10%	15%
My healthcare provider is not seeing patients in person 6%7% 9% 22%	10%	8%	8%
I am unable to receive in-office treatments 5%6% 8% 19%	9% C	10% C	4%
I do not have the right technology to have a good telemedicine visit	8% B	3%	4%
Unable to schedule healthcare provider visit because of no childcare given impact of COVID-19 pandemic** 12%	9% C	5% C	1%
I cannot receive training on self-injection in order to start preventive treatment	4%	2%	2%

Note: Values < 5% are not labeled | ** Question text truncated for spacing Stat: [A/B/C] [W/H/B/O] indicates significant difference between [A–18-39, B–40-59, C–60+] [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q46. How has the COVID pandemic impacted the frequency of your migraine attacks? Q47. How has the COVID pandemic impacted your ability to manage your migraine disease? Q48. What are the top 3 most challenging aspects of managing your migraine disease during the COVID pandemic? Select top 3 in order of importance.







Appendix

Profile of Respondents

			Age Groups			Ethnicity			
		Total (n=1,144)	18-39 (n=271)	40-59 (n=518)	60+ (n=355)	White (n=921)	Hispanic (n=86)	Black (n=71)	All Other (n=66)
	Male	18%	24% BC	15%	16%	15%	34% W	28% W	20%
Gender	Female	81%	73%	84% A	83% A	84% HBO	66%	72%	73%
	Non-binary	1%	2% BC	_	_	1%	-	_	2%
	Prefer not to respond	<1%	<1%	<1%	<1%	_	-	_	6% wнв
Time Since Diagnosis	Mean years	24	13	22 A	35 AB	25 HB	18	15	24 нв
Age Group	Mean age	51	31	50 A	68 AB	53 HB	41	43	50 HB
	Less than high school	1%	1% c	1% c	-	1%	1%	1%	_
	High school graduate or GED	7%	10% C	8% C	4%	7%	9%	10%	8%
	Technical school or trade school	3%	3%	4% C	1%	2%	6%	6%	2%
	Some college but no degree	16%	19%	16%	15%	16%	15%	20%	21%
Highest Level of	Associate degree	10%	11%	10%	9%	9%	12%	13%	8%
Education	Bachelor's degree	32%	35%	31%	31%	32%	37%	30%	26%
	Master's degree	23%	16%	22% A	28% A	24%	15%	20%	21%
	Doctorate degree	7%	4%	6%	11% AB	8% B	4%	1%	11%B
	Other post-baccalaureate degree	1%	<1%	1%	1%	1%	_	_	2%
	Prefer not to respond	<1%	1%	<1%	<1%	<1%	1% W	_	3% w



Profile of Respondents

				Age Groups	
		Total (n=1,144)	18-39 (n=271)	40-59 (n=518)	60+ (n=355)
	Employed full-time	37%	54% BC	44% c	13%
	Employed part-time	11%	16% BC	10%	7%
	Full-/part-time student	2%	9% BC	<1%	_
	Long-term disability	10%	6%	15% AC	7%
Employment	Short-term disability	<1%	1% C	<1%	_
Status	Retired	23%	1%	6% A	66% AB
	Unemployed	7%	7% C	11% C	3%
	Homemaker	6%	6% c	8% c	1%
	Other	3%	2%	5% AC	2%
	Prefer not to respond	1%	1%	<1%	1%
	Medicaid	11%	21% BC	13% c	2%
	Medicare	33%	14%	20% A	67% AB
	Private or commercial health insurance	56%	60% C	65% C	41%
Insurance	Uninsured, by choice	<1%	<1%	<1%	_
Provider	Uninsured, unable to acquire/afford insurance	3%	4% C	3% C	1%
	Military/VA/DoD (Tricare)	4%	3%	4%	4%
	Other	4%	2%	2%	8% AB
	Prefer not to respond	2%	2%	1%	2%
	Less than \$25,000	13%	15% C	16% c	7%
Annual Household Income	\$25,000 to \$34,999	8%	10%	7%	6%
	\$35,000 to \$49,999	9%	13%	8%	8%
	\$50,000 to \$74,999	13%	18% B	11%	12%
	\$75,000 to \$99,999	13%	13%	12%	14%
	\$100,000 to \$149,999	15%	12%	18% A	13%
	\$150,000 to \$199,999	6%	6%	6%	6%
	\$200,000 or more	6%	3%	7% A	8% A
	Prefer not to respond	18%	11%	15%	27% AB

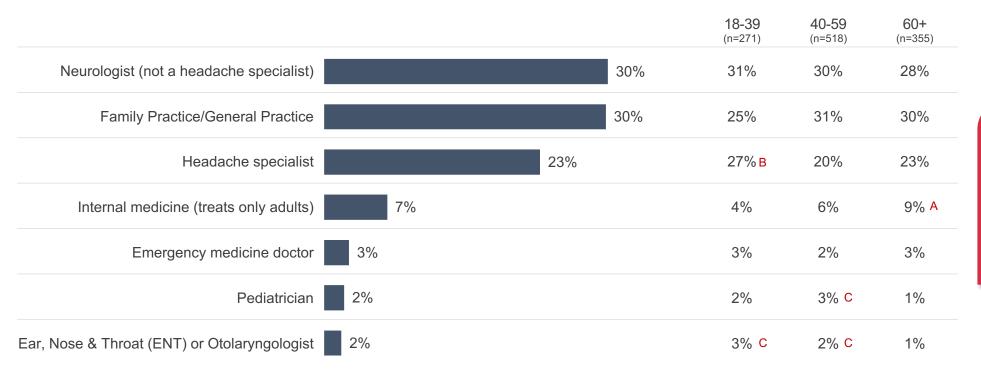


Diagnosing Physician

People with migraines were typically diagnosed by a general neurologist or family practice physician.

Diagnosing Physician

(n=1,144)



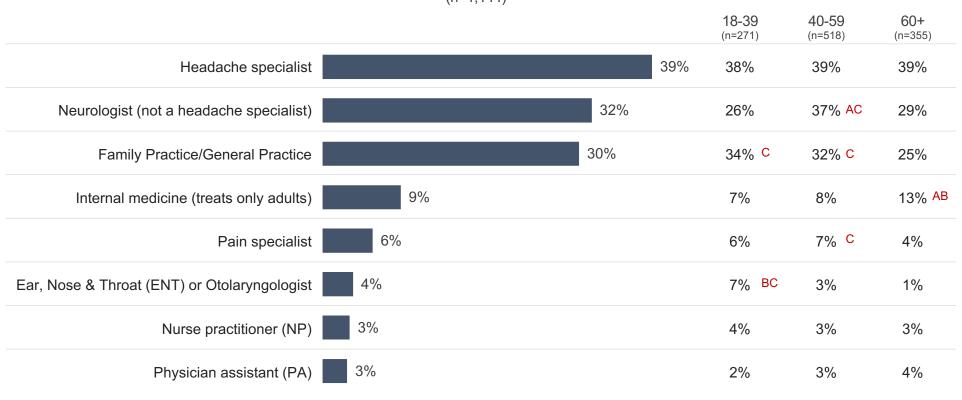
Younger patients (18-39 yrs) are more likely to be diagnosed by a headache specialist



Treating Physician

People with migraine disease in this research are most commonly treated by headache specialists followed by general neurologists or family practice physicians.

Current Provider Treating Your Migraine Disease (n=1,144)



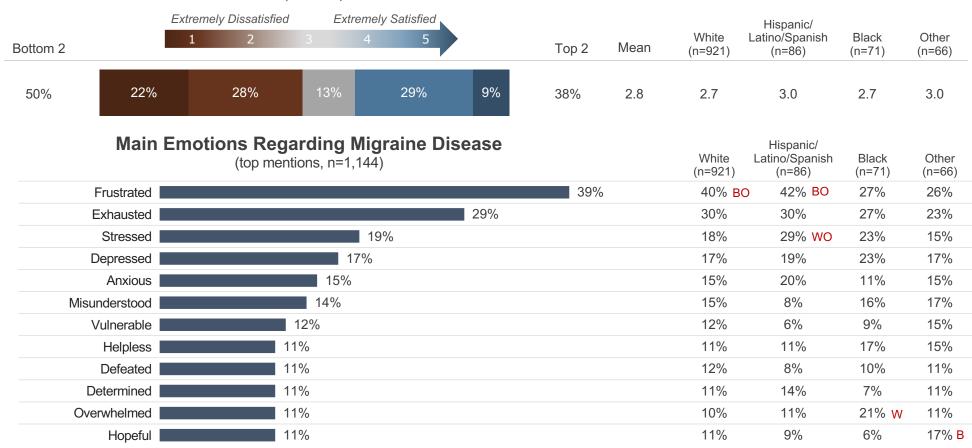


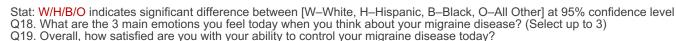
Emotions you Feel

Relative to other ethnicities, Hispanic people with migraine disease more often report feeling stressed and Black people more often feel overwhelmed.

Satisfaction with Ability to Control Migraine Disease

(n=1,144)







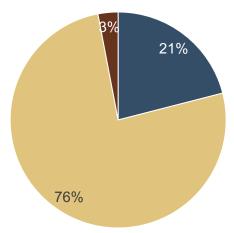


Starting a Preventive Treatment

Hispanic and Black people are more proactive in initiating discussions about preventive treatment.

Discussion Initiation for Preventive Treatment

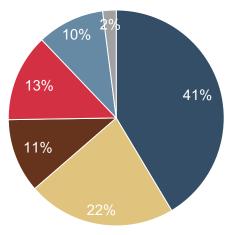
(among those taking preventive treatment, n=1,107)



	White (n=894)	Hispanic/ Latino/Spanish (n=82)	Black (n=67)	Other (n=64)
I asked about a preventive treatment	18%	34% W	34% W	30% W
My healthcare provider suggested a preventive treatment	79% <mark>HB</mark> 0	O 65%	64%	66%
Other	3%	1%	2%	5%

Time From Initial Appointment to Preventive Treatment Prescription

(among those taking preventive treatment and saw HCP for disease progression, n=1,040)



	White (n=852)	Hispanic/ Latino/Spanish (n=71)	Black (n=59)	Other (n=58)
Initial appointment	43%	35%	32%	43%
1-3 months	20%	38% WO	34% W	19%
4-12 months	10%	19%	12%	8%
More than 1 year	14% H	6%	12%	14%
Already taking	11% H	3%	9%	14% H
Other	2%	_	2%	2%

Note: Values < 5% are not labeled

Stat: W/H/B/O indicates significant difference between [W–White, H–Hispanic, B–Black, O–All Other] at 95% confidence level Q34. Earlier in the survey, you mentioned that you had been prescribed a preventive treatment.] When you were first prescribed a preventive treatment, did you ask your healthcare provider about it or did they suggest it? Q33. Earlier in the survey, you mentioned that you had been prescribed a preventive treatment. How much time passed from your initial appointment to discuss the increasing frequency and/or severity of your migraine attacks and the time that you were first prescribed a preventive treatment?



