# The Impact of Migraine

Migraine is a distinct neurological disease.<sup>1</sup> It involves recurrent attacks of moderate to severe head pain that is typically pulsating, often unilateral and associated with nausea, vomiting and sensitivity to light, sound and odors.<sup>2</sup>

### **Societal and Economic Burden**



In the United Kingdom alone, some **25 million** working-or school-days are lost every year because of migraine.<sup>3</sup>



**90%** of people report **they cannot work or function** with a migraine.<sup>1</sup>



top ten Causes, globally, of years lived with disability with a 15.3% increase in prevalence between 2005 and 2015.<sup>4</sup>

Migraine is one of the



Migraine affects **ONE in ten** people worldwide.<sup>5</sup>

### **Social and Personal Burden**



Migraine negatively affects time with family and friends.

45% reported missing family or social events.<sup>6</sup>



The relationships of those with migraine suffer. More than a third (36%) believed they would be better partners without their headaches.<sup>6</sup>



52% of parents

reported that migraine made them more likely to argue with their children.<sup>6</sup>



Depression is almost **two times** more frequent in subjects with migraine.<sup>3,7,8</sup>

Those with migraine are



**32%** of those with migraine reported **avoiding making plans** for fear of cancellation due to migraine.<sup>6</sup>

Global data shows that migraine contributes to 446 years lived with disability for every 100,000.<sup>11</sup>



Ξ

Ξ

# frustrated at lack of understanding

and advice to manage symptoms by lifestyle change<sup>9</sup>, even to encouraging patients' "pain acceptance".<sup>10</sup>



#### REFERENCES

- 1. Migraine Research Foundation. Migraine Fact Sheet. 2015. http://www.migraineresearchfoundation.org/fact-sheet.html. Accessed April 2017.
- 2. National Institute for Neurological Disorders and Stroke. https://www.ninds.nih.gov/Disorders/All-Disorders/Migraine-Information-Page (link is external). Accessed April 2017.
- 3. World Health Organisation (WHO), "Headache disorders Fact Sheet," Apr 2016. [Online]. Available: http://www.who.int/mediacentre/factsheets/fs277/en/. [Accessed 10 May 2017].
- GBD 2015 Disease and Injury Incidence and Prevalence Collaborators, "Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015," *Lancet*, vol. 388, no. 10053, pp. 1545-1602, 8 Oct 2016.
- Y. Woldeamanuel and R. Cowan, "Migraine affects 1 in 10 people worldwide featuring recent rise: A systematic review and meta-analysis of community-based studies involving 6 million participants," J Neurol Sci, vol. 15, pp. 307-315, Jan 2017.
- 6. R. Lipton, M. Bigal, K. Kolodner, W. Stewart, J. Liberman and T. Steiner, "The family impact of migraine: population-based studies in the USA and UK.," Cephalalgia, vol. 23, no. 6, pp. 429-440, Jul 2003.
- 7. F. Antonaci, G. Nappi, F. Galli, G. Manzoni, P. Calabresi and A. Costa, "Migraine and psychiatric comorbidity: a review of clinical findings," J Headache Pain, vol. 12, no. 2, pp. 115-125, Apr 2011.
- Editorial team, Migraine.com, "Spotlight: Migraine and Mental Health Awareness," 5 May 2017. [Online]. Available: https://migraine.com/spotlight/spotlight-mental-health/. [Accessed 10 May 2017].
- Editorial team, Migraine.com, "12 Things you should never, ever say to a Chronic Migraineur," 28 August 2012. [Online]. Available: https://migraine.com/infographic/12-things-you-should-never-ever-say-to-a-chronic-migraineur/. [Accessed 10 May 2017].
- J. Lillis, J. Graham Thomas, E. Seng, R. Lipton, J. Pavlović, L. Rathier and J. Roth, "Importance of Pain Acceptance in Relation to Headache Disability and Pain Interference in Women With Migraine and Overweight/Obesity," *Headache*, vol. 57, no. 5, pp. 709-718, May 2017.
- 11. T. Steiner, L. Stovner and T. Vos, "GBD 2015: migraine is the third cause of disability in under 50s," The Journal of Headache and Pain, vol. 17, no. 1, p. 104, Dec 2016.

# **U** NOVARTIS

GLNS/AMG/0083 Copyright 2017