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Conflict of interest

None declared.

References

1. Yang N, Coblyn JS. Neurologic manifestations of rheumatoid arthritis. In: Cho TA, Bhattacharyya S, Helfgott S, editors. *Neurorheumatology: a comprehensive guide to immune mediated disorders of the nervous system*. Cham: Springer International Publishing; 2019. p. 63–72.
2. Joaquim AF, Appenzeller S. Neuropsychiatric manifestations in rheumatoid arthritis. *Autoimmun Rev.* 2015;14:1116–22, <http://dx.doi.org/10.1016/j.autrev.2015.07.015>.
3. Bhattacharyya S, Helfgott SM. Neurologic complications of systemic lupus erythematosus, Sjögren syndrome, and rheumatoid arthritis. *Semin Neurol.* 2014;34:425–36, <http://dx.doi.org/10.1055/s-0034-1390391>.
4. Ostrowski RA, Takagishi T, Robinson J. Rheumatoid arthritis, spondyloarthropathies, and relapsing polychondritis. *Handb Clin Neurol.* 2014;119:449–61, <http://dx.doi.org/10.1016/b978-0-7020-4086-3.00029-1>.
5. DeQuattro K, Imboden JB. Neurologic manifestations of rheumatoid arthritis. *Rheum Dis Clin North Am.* 2017;43:561–71, <http://dx.doi.org/10.1016/j.rdc.2017.06.005>.
6. Takahashi M, Yamamoto J, Idei M, Nakano Y, Soejima Y, Saito T, et al. Multiple intracranial nodules associated with rheumatoid arthritis: case report. *Neurol Med Chir (Tokyo).* 2014;54:317–20, <http://dx.doi.org/10.2176/nmc.cr2012-0259>.

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Evaluating the impact of the website campaign “A ti también te puede tocar” (“It could also be you”) to spread awareness of systemic autoimmune rheumatic diseases



Evaluación del impacto de la web de la campaña “A ti también te puedes tocar” para concienciar sobre las enfermedades reumáticas autoinmunes sistémicas

Dear Editor,

Health awareness campaigns draw attention to specific diseases, provide information for the general public, and engage people in the management of their diseases. During recent decades, the Internet has become a major source for information on health¹ and social network campaigns have increased the efficiency and effectiveness of public health communication campaigns.^{2–4}

In 2021, the Spanish Society of Rheumatology launched an awareness campaign called “A ti también te puedes tocar” (“It could also be you”) in which its website formed the core of a broader digital strategy. The website hosted a digital video advert, as well as

information and free downloadable materials about Behcet disease, systemic lupus erythematosus, vasculitis, scleroderma, Sjögren syndrome, and polymyositis. The website included a specific area for each disease. Users could share website content directly through social media channels. A link to the patients’ website of the Spanish Rheumatology Foundation provided more information about SARDs (Systemic Autoimmune Rheumatic Diseases) and additional links to websites of other patients’ associations.

Consistent with the approach of other researchers,^{5,6} we evaluated the website in terms of engagement using Google Analytics.^{7,8}

Data were collected from the Google Analytics dashboard in March 2022 for all website visits during the observation period (launch of the website in May 2021 to end of the campaign in December 2021). The overall reach of the website was measured by the number of users and sessions and the source of the users. We measured the engagement of users based on the following indicators: bounce rate, number of page views, pages per session, and session duration.

We recorded 107,657 single sessions by 87,059 new users involving 437,285 page views during the observation period. Fig. 1

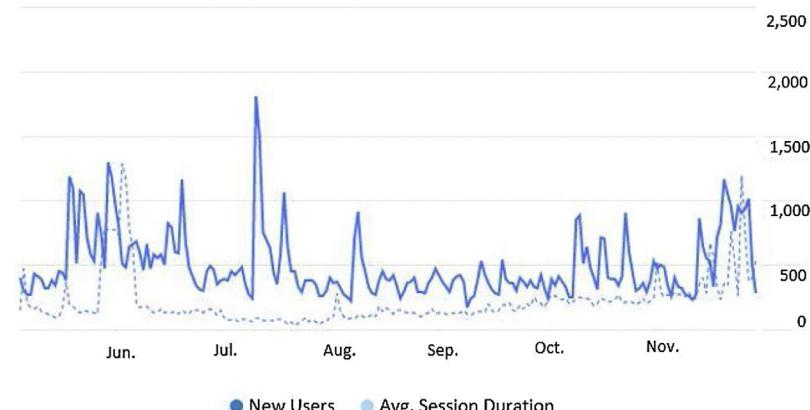


Fig. 1. Number of users and average duration of sessions over time.

shows the average duration of sessions over time and the number of users.

The bounce rate for the webpage was 24.53%, with an average session duration of 5 min, 59 s and an average of 4.06 pages viewed per session.

In relation to events, the results showed that most users displayed more than 25% of the page, the video advertisement was seen 2,795,749 times during the observation period (May 2021–December 2021) 98.9% viewed on average viewed the video. Additionally, 367 users clicked on direct link to access to inforeuma.com looking for more information.

This analysis assesses the effectiveness of the website lasaludnoesunjuego.com in engaging with people and facilitating helpful information for people with SARDs.

Google Analytics data revealed that the website reached 87,059 new users. Engagement with the website was good, with a high average session duration and lower bounce rate than reported in similar research on other websites promoting health.^{5,9,10} Likewise, the website proved helpful for the users, with 437,285 page views, a 24.53% bounce rate, and an average session duration of 5 min, 59 s.

Google Analytics revealed a bounce rate of 24.53%, which was far lower than average (41–51%) and can be considered an excellent result. Users landed on the website and stayed, probably because they considered the information was high-quality and interesting. Furthermore, users spent an average of almost 6 min consulting information, higher than the average duration recorded by Google Analytics (2–3 min).

In summary, this analysis showed that the website lasaludnoesunjuego.com provided an important opportunity for people to further engage and find useful information about SARDs. However, more research is necessary before we can know the full scope of the campaign “A ti también te puede tocar”. Surveys should be performed to determine the level of knowledge gained by users of the website.

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References

- Kummervold PE, Chronaki CE, Lausen B, Prokosch HU, Rasmussen J, Santana S, et al. eHealth trends in Europe 2005–2007: a population-based survey. *J Med Internet Res.* 2008;10:e42.
- Maher CA, Lewis LK, Ferrar K, Marshall S, De Bourdeaudhuij I, Vandelaanotte C. Are health behavior change interventions that use online social networks effective? A systematic review. *J Med Internet Res.* 2014;16:e40.
- Balatsoukas P, Kennedy CM, Buchan I, Powell J, Ainsworth J. The role of social network technologies in online health promotion: a narrative review of theoretical and empirical factors influencing intervention effectiveness. *J Med Internet Res.* 2015;17:e141.
- Moorhead SA, Hazlett DE, Harrison L, Carroll JK, Irwin A, Hoving C. A new dimension of health care: systematic review of the uses, benefits, and limitations of social media for health communication. *J Med Internet Res.* 2013;15:e85.
- King K, Schlichthor M, Turnure J, Phelps A, Spittal MJ, Parkis J. Evaluating the effectiveness of a website about masculinity and suicide to prompt help-seeking. *Health Promot J Austr.* 2019;30:381–9.
- Cowley LE, Bennett CV, Brown I, Emond A, Kemp AM. Mixed-methods process evaluation of SafeTea: a multimedia campaign to prevent hot drink scalds in young children and promote burn first aid. *Injury Prevent.* 2021;27:419–27.
- Crutzen R, Roosjen JL, Poelman J. Using Google Analytics as a process evaluation method for Internet-delivered interventions: an example on sexual health. *Health Promot Int.* 2013;28:36–42.
- Google. Google analytics help 2022. Available from: <https://support.google.com/analytics#topic=10737980> [accessed March 2022].
- Ashton LM, Rollo ME, Adam M, Burrows T, Shrewsbury VA, Collins CE. Process evaluation of the “no money no time” healthy eating website promoted using social marketing principles. A case study. *Int J Environ Res Public Health.* 2021;18:3589.
- Henström M, Duncanson K, Collins CE, Ashton LM, Davidson E, Ball R. Online reach and engagement of a child nutrition peer-education program (PICNIC): insights from social media and web analytics. *BMC Public Health.* 2022;22:836.

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