



# Title: Analysis of mobile applications for adults with Autism Spectrum Disorder

Author: PAREDES-XOCHIHUA, Maria Petra

Editorial label ECORFAN: 607-8695

BECORFAN Control Number: 2023-03

BECORFAN Classification (2023): 111213-0301

Pages: 11

RNA: 03-2010-032610115700-14

## MARVID - Mexico

Park Pedregal Business. 3580-  
Adolfo Ruiz Cortines Boulevard –  
CP.01900. San Jerónimo Aculco-  
Álvaro Obregón, Mexico City  
Skype: MARVID-México S.C.  
Phone: +52 1 55 6159 2296  
E-mail: contact@marvid.org  
Facebook: MARVID-México S. C.  
Twitter:@Marvid México

[www.marvid.org](http://www.marvid.org)

## Holdings

Mexico	Colombia	Guatemala
Bolivia	Cameroon	Democratic
Spain	El Salvador	Republic
Ecuador	Taiwan	of Congo
Peru	Paraguay	Nicaragua

- Introduction
- Mobile app analysis
- Results
- Conclusions
- References

# Introduction

Currently, the use of mobile and web applications provides a technological tool to people with ASD and the people with whom they interact every day. Since they allow for a more fluid interaction between both parties, which increases the development of social skills. However, it is important to identify that several already exist and what benefits they provide or what the focus of care for ASD is.



Figure 1. Mobile application

Source:

<https://ipappg.edu.pe/blog/como-crear-una-aplicacion-movil/>

Some applications offer the possibility of developing other skills in deficits such as attention, anticipation, executive functions, working memory, sequences of actions, organization of events, etc. (Gallardo-Montes, 2021).

# Introduction

The analysis is presented with the objective of conducting research to identify the mobile applications that are currently available for adults with some type of ASD to have or provide a better quality of life. In addition to knowing what the area of attention is for people who want to use them.

# Mobile app analysis

All people with ASD are different from each other, hence the name spectrum, since the characteristics are very variable in each case. So each of these variables can affect how they can learn and develop skills for or against their well-being.



Figure 1. Mobile application

Source: <https://apascovifundacion.org/la-comunidad-destina-mas-de-5-millones-al-ano-para-atencion-a-personas-adultas-con-autismo/>

# Mobile app analysis

The following table aims to present the applications focused on serving adults with ASD, including brief information about the applications, such as: name of the application, age range, platform or operating system on which they work and a description of what they do .

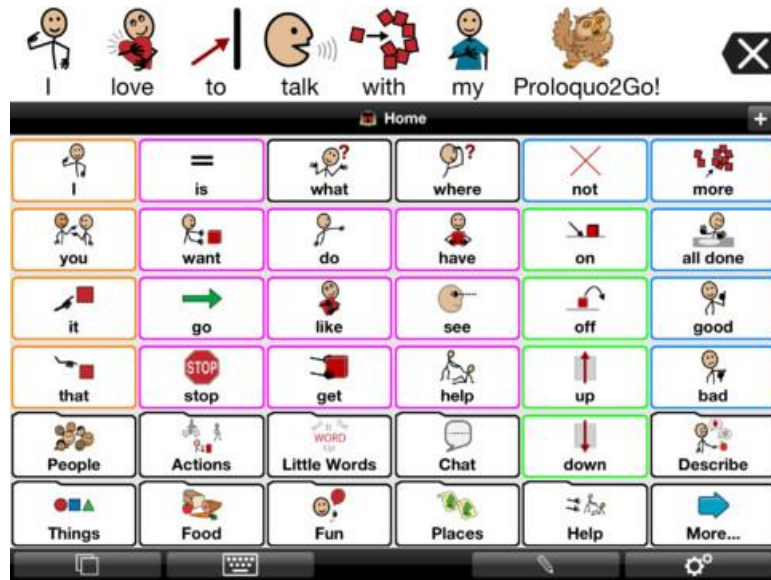


Figure 2. Proloquo2Go App  
Source: <https://www.boundlessat.com/Proloquo2Go>

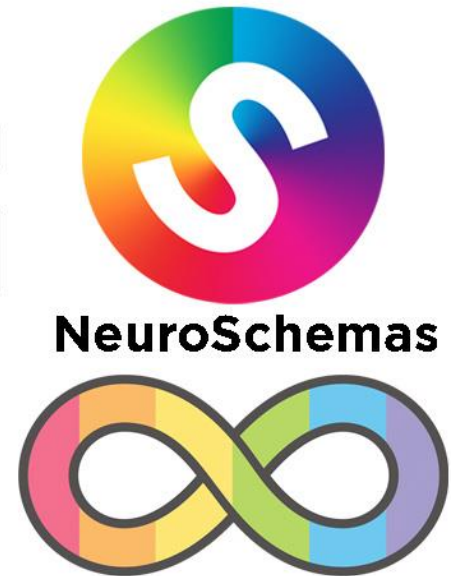


Figure. NeuroSchemas For Autism  
Source: <https://neuroschemas.app/>

No.	Application/ Age range/ OS	Description
1	Proloquo2Go/ No age limit / iOS	Augmentative and alternative communication application based on symbols. You can add natural-sounding texts in all languages or use the local accent (Google Play, 2023).
2	Autism Test (Adult)/ Adult/ Android	Diagnosis of high-functioning autism, given that detection can be delayed until adulthood (Google Play, 2023).
3	NeuroSchemas For Autism/ Adult/ Android and iOS	It allows you to choose the scheme that best adapts to a social situation. Choose an event to learn unspoken social rules and overcome challenges (Google Play, 2023).

No.	Application/ Age range/ OS	Description
4	Learn Autism/ There is no age limit/ Android	Learn Autism provides FREE access to evidence-based information on a wide range of topics, from pre-diagnosis to adulthood (Google Play, 2023).
5	MagnusCards - Autism App/ Adult/ Android and iOS	MagnusCards provides collectible instructions designed to help autistic and neuro-diverse people with activities of daily living, including money management, self-care, cooking, and travel. Each collectible deck of cards is created in partnership with businesses, venues, and non-profit organizations to help and encourage community engagement and life skill development (Google Play, 2023).



No.	Application/ Age range/ OS	Description
6	Hiki: Autism Friendship Dating/ Adult/ Android and iOS	Free dating and friendship app created BY and FOR autistic people. Our mission is to make it easier to find each other and form genuine, unmasked relationships. With features tailored to neurodivergent communication styles, you can spend less time explaining your quirks and more time engaging with them (Google Play, 2023).
7	Leo - AAC & Autism Speech Aide/ There is no age limit/ Android	Leo - AAC & Autism Speech Aide gives people with speech difficulties the ability to communicate using cards and audio. It allows you to create cards based on the preferences, stimuli and familiar images of each user. Use them separately or in sequence for more complex meaning (Google Play, 2023)

# Results

The objective of the analysis was achieved because the existing applications to date and what each one of them performs were identified. Probabilistically, considering the data presented in previous sections, it can be estimated that considering 200 applications as a sample with the focus of attention to people with TEA, regardless of age, as 100%, thus obtaining that only 3.5% of the applications serve the adult population, and that only meet certain needs and leave out others. Therefore, applications can be developed that address those areas that are not included in the existing ones.

# Conclusions

Based on the analysis carried out, the need for the development of applications that serve adults who have some level of ASD is detected, because many people are not served at an early age and are living in environments in which they are not included in any way, appropriate and are sometimes objects of discrimination without intention, given that as a society it is not yet prepared to interact appropriately, including the environments in which they have to function.

# References

- The Cisne. (2023). What is high functioning autism? <https://elcisne.org/que-es-el-autismo-de-alto-funcionamiento/#:~:text=En%20%C3%A9l%2C%20los%20autistas%20con,anormal%20y%20una%20baja%20autoestima>.
- Enticott, P., Kennedy, H. A., Johnston, P. J., Rinehart, N. J., Tonge, B. J, Taffe, J. R., & Fitzgerald, P. B. (2014). "Emotion recognition of static and dynamic faces in Autism Spectrum Disorder. *Cognition and Emotion*, 28(6), pp. 1110-1118.
- Sukru Eraslan, Victoria Yaneva, Yeliz Yesilada & Simon Harper (2019) Web users with autism: eye tracking evidence for differences, *Behavior & Information Technology*, 38:7, 678-700, DOI: 10.1080/0144929X.2018.1551933
- Gallardo-Montes, Carmen del Pilar. (2021) Design of a system of indicators for the evaluation and selection of applications for people with Autism Spectrum Disorder. *Educare Electronic Journal (Educare Electronic Journal)* and ISSN: 1409-4258 Vol. 25(3). September - December, 2021: 1-24 <http://doi.org/10.15359/ree.25-3.18>
- Google Play. (2023). [https://play.google.com/store/apps/details?id=com.autismadult.test&hl=es\\_419&gl=US](https://play.google.com/store/apps/details?id=com.autismadult.test&hl=es_419&gl=US)
- World Health Organization - WHO. (March 29, 2023). Autism. <https://www.who.int/es/news-room/fact-sheets/detail/autism-spectrum-disorders>



© MARVID-Mexico

No part of this document covered by the Federal Copyright Law may be reproduced, transmitted or used in any form or medium, whether graphic, electronic or mechanical, including but not limited to the following: Citations in articles and comments Bibliographical, compilation of radio or electronic journalistic data. For the effects of articles 13, 162,163 fraction I, 164 fraction I, 168, 169,209 fraction III and other relative of the Federal Law of Copyright. Violations: Be forced to prosecute under Mexican copyright law. The use of general descriptive names, registered names, trademarks, in this publication do not imply, uniformly in the absence of a specific statement, that such names are exempt from the relevant protector in laws and regulations of Mexico and therefore free for General use of the international scientific community. BECORFAN is part of the media of MARVID-Mexico., E: 94-443.F: 008- ([www.marvid.org/booklets](http://www.marvid.org/booklets))