1. Repetitive memorization mobile application development
   - Authors: Dasgupta, D. and Feldman, K. and Waghray, D.
   - Year: 2017
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

2. A mobile application for cognitive screening of dementia
   - Authors: Grindrod, K.A. and Li, M. and Gates, A.
   - Year: 2016
   - Description: A mobile application that acts as a library of multi-choice questions to test cognitive function.

3. Mobile healthcare solution for ambient assisted living
   - Authors: Qi, Xuan and Zhang, Wen and Hao, Fei
   - Year: 2015
   - Description: A mobile application that acts as a library of multi-choice questions to test cognitive function.

4. Spanish Pillbox App for Elderly Patients Taking Multiple Medications
   - Authors: Griol, D. and Callejas, Z.
   - Year: 2017
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

5. A mobile application for elderly patients taking multiple medications
   - Authors: Ovoo is an videoconference app that was used in this study to evaluate
   - Year: 2017
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

6. Smart phone-based gait measurement application for elderly people
   - Authors: Sanchez, Wendy and Martinez, Alicia and Galla and Thulasi, Athul Asokan
   - Year: 2017
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

7. Implementation of mobile-based fall-detecting system
   - Authors: Sabine and Wille, Matthias and Schlick, Matteo and Mertens, Alexander and Rasche, Peter and Theis, Joaquin Mira, Jose and Navarro, Isabel and Carlos and Rubio, Maria Angeles
   - Year: 2014
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

8. Smartphone-based gait monitoring system for elderly
   - Authors: Miura, Takahiro and Yabu, Ken-Ichiro and Hirose, Hideo and Garcia-Zapirain, B. and Gialelis, J.
   - Year: 2014
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

9. Smartphone based continuous monitoring system for dementia using the mini-cog test
   - Authors: Howansky, Stefan and Terranova, Jake and Soangra, Rahul and Lockhart, Thurmon E. and Megalingam, Rajesh Kannan and Pocklassery, Monty and Farmer, Andrew Williams, Veronika and Price, Jonathan and M.A. and Gunstad, J. and Sterns, A. and Redle, J.
   - Year: 2014
   - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

10. MOBI-COG: A mobile application for instant screening of dementia
    - Authors: Megalingam, Rajesh Kannan and Pocklassery, Monty and Farmer, Andrew Williams, Veronika and Price, Jonathan and M.A. and Gunstad, J. and Sterns, A. and Redle, J.
    - Year: 2014
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

11. A Spanish Pillbox App for Elderly Patients Taking Multiple Medications
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

12. Ovoo is an videoconference app that was used in this study to evaluate
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

13. ¡Vive! is an app capable to predict accuracies for social loneliness and existential crisis
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

14. Assist-me is a platform with two apps. The first one for elderly people that require
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

15. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

16. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

17. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

18. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

19. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

20. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

21. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.

22. A mobile application that integrates a system for heart rate monitoring through data
    - Authors: Ovoo is an videoconference app that was used in this study to evaluate
    - Year: 2017
    - Description: A mobile application that serves as a library of multi-choice questions to test memory retention.
13.1 Enabling aid in remote care for elderly people via mobile.

13.2 Older adults in Siberia: Findings from two pilot trials.

13.3 Feasibility of virtual tablet-based group exercise among older adults.

13.4 Application to improve physical and cognitive performance in older adults.

13.5 Efficacy of bingoCize?: A game-centered mobile health intervention for healthy older adults.

13.6 Cognitive Stimulation for Elderly Adults: Pilot and usability of a mobile health system for heart failure self-management.

13.7 User-centered evaluations with older adults: Testing the Independent Living Communities.

13.8 SousChef: Mobile meal recommender system for older adults.

13.9 Urban County Hospital Population: Usability and Patient Centered Care.

13.10 The Health Buddies App as a Novel Tool to Improve Health and Life Experiences in Older Adults: A Pilot Study.

13.11 Path to Home mobile app was used to manage the personalized needs of geriatric patients of Independent Living Communities.

13.12 This work proposes an app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.

13.13 Fall detection is an app that integrates an IoT solution, CARE, which aims to provide daily support for elderly and frail people, especially in the context of the elderly living in their own homes. The app is based on continuous monitoring of the elderly, including fall detection, and it provides a visual alert to caregivers and relatives in case of a fall, generating alarm and informing the healthcare provider and relatives or friends in emergency situations.

13.14 Managing heart failure on the Go: Usability issues with current apps for older adults.

13.15 This work proposes an app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.

13.16 An app to execute a reaction test, assessing cognitive function related fall risks in older adults.

13.17 This work proposes an app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.

13.18 In this work, two apps were evaluated considering their usage for diabetes medication adherence: OnTimeRx and Medisafe. The OnTimeRx is a mobile reminder designed by a pharmacist that delivers reminders by Short Message Service (SMS), email, or phone. The Medisafe app also provides reminders for medication adherence and includes a pill box with light, sound, and vibration alerts. Both apps were evaluated in a randomized controlled trial with older adults, and the results showed that the OnTimeRx app was more effective in improving medication adherence than the Medisafe app.

13.19 The Elderly Reminder mobile application was developed using the user-centered design process in healthy older adults or older adults with mild indicators of decline. The app aims to improve cognitive functions and to decelerate the impairment in older people with dementia.

13.20 In this work, the authors proposed the MORPH: a mobile health intervention to reduce pain and improve health in older adults.

13.21 A mobile app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.

13.22 This work proposes an app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.

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13.39 An app to execute a reaction test, assessing cognitive function related fall risks in older adults.

13.40 This work proposes an app that gathers the elderly contextual information, stores it and, from that information, generates arm and goes and informing the healthcare provider and relatives or friends in emergency situations.
| Page ID | Title                                                                 | Authors                                                                                              | Country | Year | Description                                                                                                                                                                                                                                                                                                                                 |
|---------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 146     | Improving health-related ICT interface and application design for older adults and elderly caregivers preferences           | Neda, Bernt and Vidmar, Linda and graphs, Marina and Dali and Piotrowska, Ela and Rinka, Branko and    | Korea   | 2017 | The authors developed an interface to explore the benefits of using mobile applications in the context of elderly care. The interface was designed to be user-friendly and easy to navigate, with options for monitoring health conditions and tracking daily activities. It was evaluated in a randomized controlled trial with a group of older adults. |
| 147     | Mobile Follow-up system for elderly and disabled people                | Vila, Catalina and Carmon, Mariano and Kondos, Alexandros and Kostomitis, Ioannis and Wang, Jin-Yuan   | Greece  | 2018 | A mobile application was developed to support the follow-up of elderly and disabled patients. The app included features for tracking medication adherence, monitoring health conditions, and providing reminders for appointments and appointments. It was evaluated in a pilot study involving a group of older adults. |
| 148     | INTESA: Personalized health-related ICT interface and application design for elderly people                                  | Yusuf, Mubarak and Naseem, Zain and Khan, Mohammed and Shabir, Mudassar and Tariq, Shafique and       | Pakistan| 2018 | The project aimed to develop a personalized health-related ICT interface for elderly people in Pakistan. The app included features for monitoring health conditions, tracking medication adherence, and providing reminders for appointments. It was evaluated in a pilot study involving a group of elderly participants. |
| 149     | Mobile assisted living for elderly dementia patients using smartphone apps | Khan, Arslan and Ali, Aamir and Hussain, Ali and Shaikh, Usama and Ahmad, Iqbal and Shafique, Muhammad | Pakistan| 2018 | A mobile application was developed to support the care of elderly dementia patients using smartphone apps. The app included features for monitoring health conditions, tracking medication adherence, and providing reminders for appointments. It was evaluated in a pilot study involving a group of elderly dementia patients. |
| 150     | A medium-based diet sign monitor with mobile application (MyHealth)   | Yusuf, Ayaz and Ali, Shoaib and Ali, Muhammad and Qasim, Muhammad and Raza, Atif and Rehman, Niyaz and | Pakistan| 2018 | A medium-based diet sign monitor with mobile application was developed to support the care of elderly dementia patients using smartphone apps. The app included features for monitoring health conditions, tracking medication adherence, and providing reminders for appointments. It was evaluated in a pilot study involving a group of elderly dementia patients. |