

A3D → Non-invasive and easy to do undernourishment monitoring test for elderly people

The need

Development of a non-invasive undernourishment test and simple malnutrition monitoring for elderly people in institutions. Care homes for the dependent elderly are in most cases the last places where people live. It is therefore legitimate to consider palliative care in these facilities which is not only a legal obligation but is also a quality approach.

Impact

- Successful screening for 100% of undernourished patients.
- A personalized dietary care plan was provided for all of the undernourished patients and its results followed-up by a dedicated dietician.
- The screening process is faster and can now be performed without a physician's intervention.

[*] These results come from regular end-user testing during the project - 10 months

The solution

The solution implements a digital version of the Nutrition Focused Physical Examination (NFPE), which is one of the new methods for identifying undernutrition. For a maximal impact, this new screening and follow-up assessment methodology is integrated into a global service that provides remote support (teleconsultation) from registered dietitians to assist the healthcare organization in translating screening and patient data into effective nutritional care. This approach makes it possible to offer an alternative to the invasive use of blood tests to measure albumin and CRP while providing better prospects for the personalization of patient care.






#Nutrition

#DigitalHealth

#CareHomes

Co-creation and Business Support

Pilot region: Paris (France) | Period: August 2019 – August 2020

|  Challenger |  Solver |  Users |  Supporter |  Funder |
|--|---|---|---|--|
| EHPAD Louise Michel, GCSMS91 | Winnov with its service CDIET | Health managers, coordinating nurse and assisting nurses | Medicen | Choose Paris Region |
| 1 Nursing Homes Group Coordinator 1 Care Coordinator 2 Doctors 1 Nutrition Doctor 3 Nurses | 1 R&D leader 1 medical advisor 1 product managers 1 project manager 2 full-stack developers | 4 members of the care home staff and 54 patients used the solution during the co-creation process | 2 business supporters | 1 Project manager |

Hear the stories!



CDIET provides a fast, simple and efficient answer for the screening and management of nutrition-related troubles, a key factor to maintain older adults' autonomy and well-being. Through the addition of the Nutrition Focused Physical Exam in the application, we were able to extend CDIET clinical scope to help us provide the patients with new improved, personalized therapeutic strategies.

Doctor Lawrence BORIES, Geriatrician in the CHI du Val d'Ariège, Head of the Mobile Geriatric Unit in Ariège, Head of the Silver Economy group for the WHO's APTITUDE project



inDemand enabled us to further develop our malnutrition screening and management service through the integration of image-based smart forms for a better and more accurate diagnosis. The involvement of clinicians and nursing home staff all along the co-creation process provided the tech/service design team with real-life feedback to ensure the newly developed tools were relevant with their work and organisation.

Luc Vialard, CEO at Winnov



About inDemand

inDemand boosts digital health solutions proposed and co-created with healthcare professionals

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