

# BD4QoL

BIG DATA FOR QUALITY OF LIFE

December 2020

## 1. ABOUT THE BD4QoL PROJECT

Head and neck cancer and the associated treatments may have consequences on the patients' quality of life. The number of patients surviving head and neck cancer has increased making lifelong surveillance critical.

BD4QoL aims at **improving head and neck cancer survivor's Quality of Life** through person-centred monitoring, post-treatment support and personalised follow-up. Lasting from January 2020 to January 2025, BD4QoL has a total funding of 4.985.975 € under the H2020 research programme.

BD4QoL takes advantage of **technologies for social communication and unobtrusive personal monitoring** embedded in smartphones to **improve head and neck cancer survivor's Quality of Life**. Physical activity, social interactions, sleep, and health data are automatically collected by a mobile app for over two years after treatment and will be analysed to early intercept quality of life deterioration and health risks.

Would you like a closer look on how BD4QoL works and is implemented? See the project's presentation video: <https://youtu.be/90YmWxytn0>

For more information about BD4QoL, visit: [www.bd4qol.eu](http://www.bd4qol.eu)

## 2. BD4QoL NEWS&EVENTS

### *BD4QoL 2<sup>nd</sup> consortium meeting*



On December 9<sup>th</sup>, 2020, the BD4QoL 2<sup>nd</sup> consortium meeting took place. Unfortunately, it was held online due to the COVID-19 pandemic.

The participants presented and discussed the work carried out, results achieved, and deliverable submitted since the beginning of the project. Moreover, the UPM members presented the technology vision and status of works highlighting how the clinical perspectives must match the tech development.

Find our [more details](#) about our meeting!

### ***BD4QoL oral presentation at EMBS2020***



At the EMBS2020 conference, the UPM team outlined the results of the first investigation as part of the BD4QoL project. The paper discussed aimed at presenting the outcomes from the scoping review of Point of Care existing solutions used in the cancer follow-up, considering the essential support that information and communication technologies (ICT) could bring to clinicians.

These tools generally aim at bringing relevant information and assist clinicians in decision-making and management through different functionalities (e.g. dashboards, personalization tools) and modification of guidelines and alert systems. Regarding the technologies, there is a trend in the development of web-based approaches that can be easily used from any device.

However, the results showed that there are currently very few ICT solutions developed for the follow-up of patients with cancer.

[Read more](#) about the BD4QoL presentation at the EMBS2020 conference!

### ***BD4QoL poster presentation at ESMO2020***



At the ESMO2020 conference, the UPM team discussed the results of the first investigation as part of the BD4QoL project, presenting the paper *“Research and contextual inquiry on information and communication technologies point of care systems for cancer follow-up”*.

This paper shows the research work conducted by the UPM and INT partners of the BD4QoL project in relation to the Point of Care (PoC) systems applied in cancer follow-up. The “Contextual inquiry” carried out identified the currently available information and communication technologies (ICT) options to support clinical practice and actual needs. The results showed the lack of specialized follow-up tools. Besides, very few of them include a system of alerts or the possibility to customize a personalized follow-up, and the tailored data visualization is missing in most of the existing tools.

[Read more](#) about the BD4QoL poster presentation at the ESMO2020 conference!

### 3. **BD4QoL PUBLICATIONS**

Have a look at deliverables published by the BD4QoL project so far!

- **D10.1 Quality Manual**, describing procedures and reporting and the relevant checkpoints, guidance and responsibilities for risks management related to each project activity. Available at [this link](#).
- **D10.3 Ethical Framework**, describing all the ethics and related legal aspects relevant for the project, the associated actions, and responsibilities already in place and to be implemented. Available at [this link](#).
- **D10.6 Data Protection Impacts Assessment**, including a report of the DPIA process implemented in BD4QoL. Available at [this link](#).

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