WATCHING THE RISK FACTORS

WARIFA

ARTIFICIAL INTELLIGENCE AND THE PERSONALIZED
PREVENTION AND MANAGEMENT OF CHRONIC CONDITIONS

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D1.12 DATA MINIMISATION PLAN

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DISSEMINATION LEVEL

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LIST OF ABBREVIATIONS

Abbreviation	Meaning
AI	Artificial Intelligence
DMP	Data Management Plan
GDPR	General Data Protection Regulation
TRL	Technology readiness levels

1 INTRODUCTION

The WARIFA project aims to facilitate personalised early risk prediction, prevention and intervention based on Artificial Intelligence (AI) and Big Data technologies. We want to explore how AI-based mobile applications may be used as a tool for individual lifestyle changes. This includes the use of mobile applications to analyse and estimate individual risk, correlate it with the community risk profile, provide evidence-based and personalized advice together with prompts for preventive lifestyle changes. The aim is to empower citizens to self-monitor the implementation of risk-reducing lifestyle changes. WARIFA will develop an AI-based system with the aim to help prevent chronic conditions for all citizens.

By combining ubiquitous data from the user`s environment with user-generated data, AI algorithms can process the most relevant data in the appropriate context and then provide the tools for personalized advice resulting in more specific preventive interventions. AI and big data technologies have the potential to address these challenges by analysing risk levels and providing citizens with tailor-made advice according to the individual risk level.

To achieve this objective it is necessary to combine ubiquitous data and personal user-generated data, and to combine interdisciplinary efforts from clinical, technical, and sociology background, in order for the WARIFA prototype to reach TRL 6-7 by the end of the project period. The development of the WARIFA the system will be iterative with respect to design/development /testing/feedback-adjustments. Human subjects will be involved in several steps of the project.

The Data Minimisation Plan introduces the measures that will govern data collection, processing and retention by the WARIFA project. This deliverable serves as a reference to which all the WARIFA project members have to comply in their participation in project activities.

The Data Minimisation Plan shall be updated, as necessary, during the duration of the project, and is kept available for all WARIFA project members on the chosen platform for project interaction, Microsoft Teams.

2 DATA MINIMISATION PLAN

Data collection, processing and retention will be performed in compliance with the General Data Protection Regulation (GDPR) and specifically with Article 89(1), which states that: "Processing for archiving purposes … scientific or historical research purposes…, shall be subject to appropriate safeguards, in accordance with this Regulation, for the rights and freedoms of the data subject. Those safeguards shall ensure that technical and organizational measures are in place in particular in order to ensure respect for the principle of data minimization. Those measures may include pseudonymisation provided that those purposes can be fulfilled in that manner…". The safeguards implemented by WARIFA to meet this requirement are provided in D1.14 Data Management Plan.

In keeping with the principle of data minimization referred to in Article 89 of the GDPR, the collection and retention of personal data in WARIFA will be "adequate, relevant and limited to what is necessary in relation to the purposes for which they are processed" (Article 5(1c)). Personal data may be collected, processed and retained in WARIFA for one of three purposes: (1) as data for direct analysis, e.g., information on behavior collected by the WARIFA system; (2) as contextual data to inform analysis, e.g. data on gender for participants; (3) as a record of consent to participation in the

project activities and to the collection and retention of data. Procedures for data collection, management, and access are provided in D1.11 Data Security and Anonimization Measures.