



DELIVERABLE

WP10\_D10.3

First regular graphics visualized

UHC

## Project Classification

<b>Project Acronym:</b>	ORCHESTRA
<b>Project Title:</b>	Connecting European Cohorts to Increase Common and Effective Response to SARS- CoV-2 Pandemic
<b>Coordinator:</b>	UNIVR
<b>Grant Agreement Number:</b>	101016167
<b>Funding Scheme:</b>	Horizon 2020
<b>Start:</b>	1st December 2020
<b>Duration:</b>	36 months
<b>Website:</b>	www.orchestra-cohort.eu
<b>Email:</b>	info@orchestra.eu

## Document Classification

<b>WP No:</b>	WP10
<b>Deliverable No:</b>	D10.3
<b>Title:</b>	First regular graphics visualized
<b>Lead Beneficiary:</b>	UHC
<b>Other Involved Beneficiaries:</b>	UNIVR, all WP10 members
<b>Nature:</b>	Publication
<b>Dissemination Level:</b>	Public
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<b>Justification of delay:</b>	Internal discussion about which graphics to visualize first
<b>Status:</b>	Completed
<b>Version:</b>	2.0
<b>Author(s):</b>	Luise Wolf, Janne Vehreschild, Marlene Nunnendorf

## History of changes

Version	Date	Created/Modified by
0.1	02.06.2021	Luise Wolf
0.2	15.06.2021	Evelina Tacconelli, PMU
0.3	02.07.2021	Luise Wolf, Marlene Nunnendorf
1.0	24/08/2021	PMU
1.1	06/09/2021	Janne Vehreschild, Luise Wolf, Marlene Nunnendorf
2.0	28/09/2021	Janne Vehreschild, Lorenzo Canziani

## Executive Summary

The key task of WP10 is dissemination of scientific content to various stake holders, with the goal to attract ideas and collaboration from the scientific community and inform decision makers on need for action. This task has been conducted jointly with UNIVR and all other ORCHESTRA partners.

Between February and May 2021 information about what data each cohort collects was filled into the “Mapping Tool” (extensive online questionnaire). This created an overview with all meta-information needed to harmonize data between all partner studies and create protocols for the ORCHESTRA cohort. Within the 1st General Assembly on April 12<sup>th</sup>, the issue about what graphics to publish first has been discussed. It has been decided to wait until end of May 2021 if any early results are obtained within the project and otherwise present results of the Mapping Tool. The graphics are published on the ORCHESTRA Website.

## Core Content

Visual data-driven content attracts attention and makes achievements of ORCHESTRA tangible to interested parties. In addition, well-done visualization creates additional executive overview on the project process and support a professional image and conduct. In this work package, we will progressively develop visualizations for ORCHESTRA with the goal of providing a constant flow of new content every one to four weeks, depending on overall project process and pipeline.

### Phase I: Mapping Tool Results

Until true data have become available and all technical platforms are established, we will release regular visualizations based on the mapping tool. So far, we have released patient numbers per participating cohort, patient numbers by Work Package, patient numbers per cohort type, runtime of cohorts, underlying diseases, and available data items.

Until phase II can be initiated, we will continue with visualizations from the Mapping Tool as follows: Collection sites

- a. Distribution of cohorts collecting information in a network/single center
- b. Distribution of cohorts with a COVID unit

#### Cohort Structure

1. Patient Contacts
  - a. Number/range of follow-up visits after initial contact
2. Molecular tests
  - a. Number/percentage of cohorts performing viral genome sequencing
3. Demographics
  - a. Number/percentage of cohorts collecting information about education, household characteristics, occupation, socio economic factors (lifestyle, diet,

travel history from medical history section, work/school lost from Clinical Assessment II)

#### 4. COVID-19 Screening

- a. Percentage of cohorts defining SARS-CoV-2 positive 1. Clinically, 2. Pos. microbiological test, 3. Imaging, 4. Other
- b. Percentage of national policies periodically screening symptomatic/at risk subjects during study enrollment
- c. Percentage of cohorts performing 1. PCR screening, 2. Serology screening, 3. Antigen-based screening during enrolment
- d. Percentage of cohorts collecting information on SARS-CoV -2 infections within patients family

## Phase II: Process Data Visualization

At the time of ORCHESTRA recruitment and data integration, we will setup manual systems to allow partner sites submission of progress reports in periods to be defined by WP1. Information will focus on recruitment numbers per sub-cohort / WP site to reduce burden in Work Packages. Submitted information will be released on the project homepage <https://orchestra-cohort.eu> on a weekly basis. Phase II will replace Phase I activities as soon as first data become available. Estimated start time: 10/2021.

## Phase III: Result Data Visualization

By the time access to actual patient-level data becomes available to WP10, we will develop visualizations for at least three core statistics per sub-cohort / WP based on discussion with the respective WP leaders. A data query, processing, and publication pipeline will provide fully automated updates of all defined statistics on at least weekly basis. At this time, manual processes of phase II will be replaced by this automated pipeline as part of Phase III. Estimated start time: 01/2022 (depending on progress of other WPs). This phase will continue until the end of the funding period.

## References

<https://orchestra-cohort.eu/statistics/>

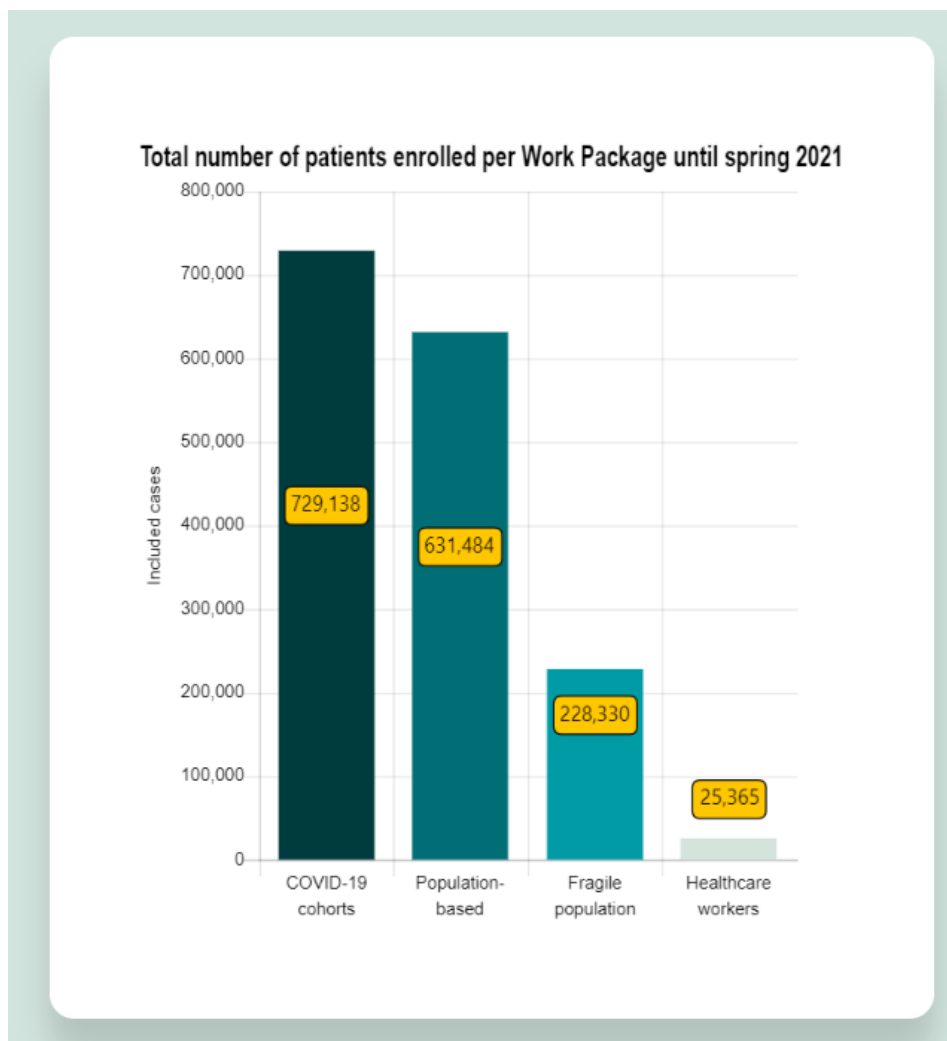
## Acknowledgments

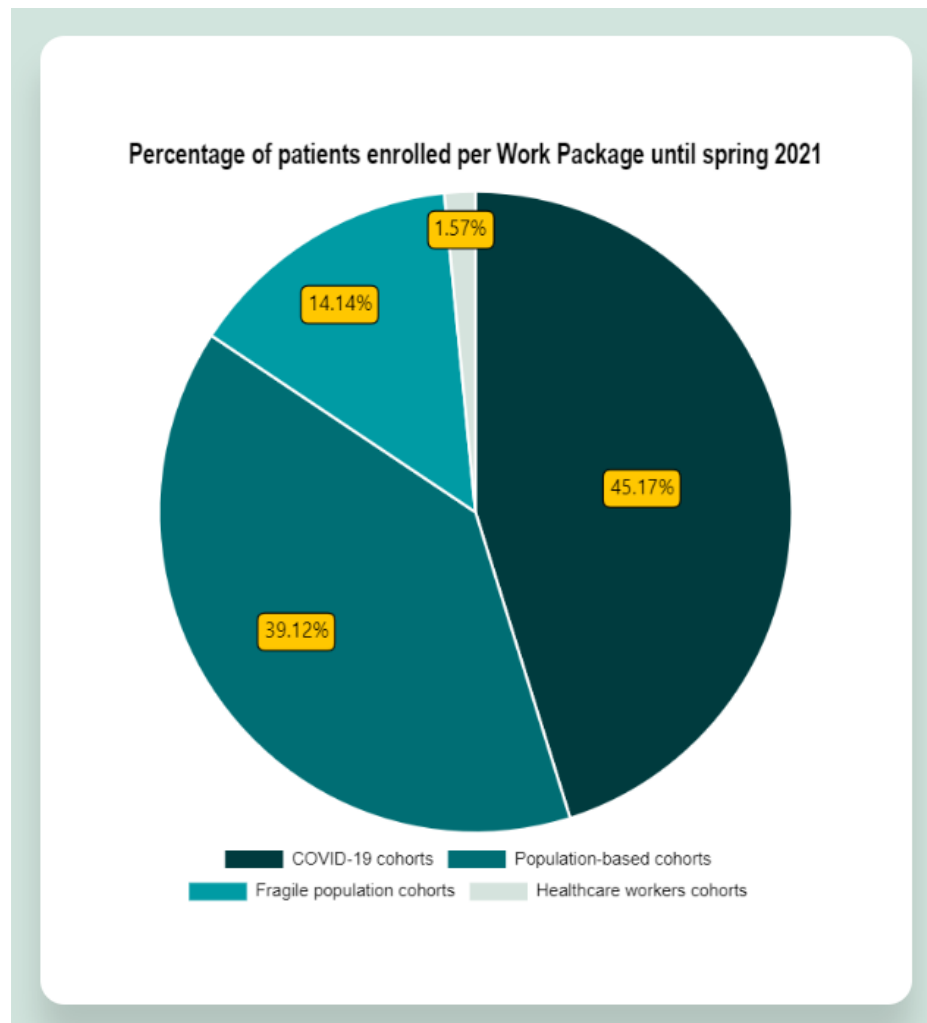
*Ania Gorska, Evelina Tacconelli, UNIVR*

*Branson Lee, Nick Schulze, Marlene Nunnendorf, Janne Vehreschild, UHC*

## Graphics

The visualisations on the website are provided by an interactive tool. You can de-select and select a cohort by clicking on the respective entry on the legend. Please consider that these screenshots are selected examples. All graphics can be found on the website under the following link: <https://orchestra-cohort.eu/statistics/>





### Cohort distribution over start and end date

Please hover with your mouse over a cohort for more information

