**PIONEER: a BD4BO (Big data for better outcome) prostate cancer project**

**About PIONEER**
- An IMI2 funded pan-European public-private partnership consisting of 32 stakeholders from across 9 countries.
- Launched in May 2018 PIONEER brings together all relevant stakeholders in the field of prostate cancer research as well as clinical and social care.
- Five year (2018-2023) 12 M€ program.

**BD4BO: Europe’s largest public-private partnership in healthcare research**

**PIONEER’s Objectives**
- Identify critical evidence gaps in prostate cancer care through a prioritisation exercise including all stakeholders.
- Define core outcome sets for localised, locally advanced, and metastatic prostate cancer in the context of the patient’s treatment pathway.
- Collect, standardise and integrate existing ‘big data’ from prostate cancer patients across different stages of the disease into a single innovative data platform.
- Use a unique set of methodologies and advanced analytical methods to answer the research questions identified.
- Empower clinicians, policy makers and payers to improve decision-making and optimise care for patients with prostate cancer.

**PIONEER’s expected deliverables**
- A single innovative data platform in which existing ‘big data’ from prostate cancer patients across different stages of the disease has been standardise and integrate.
- A community of all European prostate cancer stakeholders including urologists, oncologists, HTAs, policy makers, pharm, patients, data scientists, regulators, economists ………
- Meaningful and standardised clinical endpoints and outcome measures for localised, locally advanced, and metastatic prostate cancer.
- Tools for analysing complex data sets including genomic data.
- A framework for legal, ethical and governance issues which will allow for cross-border usage of big data sources whilst adhering data security constraints.

**Methods and Materials**
- PIONEER is made up of 8 teams arranged into individual work packages (WPs)

**Results**
- As of September 2019 datasets from academic and industrial partners are in the process of being mapped to formats for subsequent analyses
- Negotiations are underway for access to additional cohorts from European and non-European countries

**Conclusion**
- The PIONEER platform is being built using European and non-European datasets.
- PIONEER will harness the power of big data to develop a data platform of unparalleled scale, quality and diversity.
- This Big Data statistical power will transform the field of prostate cancer care by empowering meaningful improvements in clinical practice, prostate cancer disease-related outcomes and health economic outcomes.

**How can you contribute**
- Contribute data through an Associated Member Agreement
- Communicate and disseminate the projects objective and results through the PIONEER communication tools and channels

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