Helsinki Biobank Urological Sample Collection provides a longitudinal and comprehensive sample and dataset for urological research.

**Helsinki Biobank Urological Sample Collection**
- Urological patients (~2000) were recruited to donate their blood, urine and tissue samples into Helsinki Urological Biobank (HUB) during the years 2012 – 2015
- 30k high-quality samples with extensive clinical data
- Blood (serum, plasma, whole blood DNA), urine, formalin-fixed, paraffin-embedded (FFPE) tissues (with digital images) and fresh frozen (FF) tissue samples
- Samples were taken at the time of diagnosis, treatment and follow-up visits when applicable
- Prostate, bladder, kidney and testicular cancer patients
- More urological samples are continuously collected

**Structured electronic health records (EHR)**
- Helsinki Biobank Analytics Team can access EHR from hospital Datalake
- Available information includes confirmed diagnosis, hospital administered medication and treatment
- Sample data including pathology and laboratory information (e.g. PSA)

**Sample preparation**
- Tissue samples available for microarrays (FFPE) and biological analyses (FFPE, FF)
- Blood derivative aliquots and urine samples available for variety of biological analyses.

**Number of liquid samples**
- Sediment of urine: 3758
- Supernant of urine: 3759
- Serum: 3944
- Heparin plasma: 2970
- Whole blood: 3836
- EDTA-PLASMA: 3926

**Number of freshly collected surgical tissue specimens**
- Bladder tissue: 102
- Testicular tissue: 39
- Kidney tissue: 104
- Prostate tissue: 810