

## **Clinical Staff – who goes into that and what are their records – who do you need**

### **1. Clinical Staff for Precision Care**

#### **Roles and Responsibilities:**

##### **1. Doctors (Specialists and General Practitioners):**

- Responsible for diagnosing patients and creating personalized treatment plans using genomic, clinical, and lifestyle data.
- **Records Maintained:**
  - Patient diagnoses, treatment plans, medication prescriptions, follow-up schedules, and genomic analysis reports.

##### **2. Nurses:**

- Assist doctors in patient care by monitoring vital signs, managing daily treatments, and ensuring adherence to prescribed plans.
- **Records Maintained:**
  - Patient vitals, treatment logs, medication adherence, and observations on patient responses to treatment.

##### **3. Pharmacists:**

- Dispense personalized medications and provide advice on drug interactions and dosages.
- **Records Maintained:**
  - Medication dispensation records, patient drug reactions, and personalized drug creation logs.

##### **4. Lab Technicians:**

- Conduct tests and analyze patient samples, such as blood work and genomic data.
- **Records Maintained:**
  - Lab test results, genomic sequencing data, and biomarker analysis.

##### **5. Genetic Counselors:**

- Provide patients and clinicians with insights into genetic testing results and hereditary risk factors.
- **Records Maintained:**
  - Family genetic history, genetic counseling session notes, and patient consent forms.

## 6. Clinical Trial Coordinators:

- Oversee clinical trials for new treatments and monitor trial participants' progress.
- **Records Maintained:**
  - Patient enrollment data, clinical trial protocols, and trial outcome reports.

## 2. What Data Needs to be Stored

we will need to define what specific data or information is collected and maintained for each clinical staff member:

- **Personal Information:** Staff member names, qualifications, and experience.
- **Roles and Responsibilities:** A clear definition of what each staff member does in the context of precision medicine.
- **Patient Interaction Logs:** Notes from each interaction clinicians have with patients, including diagnoses, treatment decisions, and follow-up.
- **Performance Metrics:** Data on how effectively clinical staff are contributing to patient outcomes, such as treatment success rates and patient satisfaction.

## 3. How Clinical Staff Interact with Precision Care Systems

- **Doctors and Nurses:** Inputting data into the Precision Treatment Planner and monitoring patient progress via the Patient Health Tracker. (only in case we implement a database to store patient records)
- **Pharmacists:** Reviewing patient genomic data to help create personalized drugs and monitoring adverse drug reactions.
- **Lab Technicians:** Uploading lab results and genetic sequencing data into the platform.
- **Genetic Counselors:** Providing inputs on family history and patient genomics that impact treatment planning.
- **Clinical Trial Coordinators:** Managing clinical trial data and ensuring the Precision Care system supports ongoing research.

## **Data and Record Management**

Each role requires detailed data collection and record-keeping, including patient interactions, treatment decisions, and ongoing health monitoring. This data is stored in Precision Care's systems for real-time analysis and treatment optimization. The clinical staff interact with AI tools, including the Precision Treatment Planner and Patient Health Tracker, to provide personalized and up-to-date care for patients.