**Supplementary File 2.** Six key themes in the assessment framework

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| **Key themes** | **Indicators** |
| 1. Healthcare system | General:* GDP per capita
* Healthcare financing system
* Healthcare expenditure per capita (USD)
* THE (% of GDP)
* Health coverage (%)

PM-specific:* Presence of PM-related healthcare service delivery
* Presence of PM-related healthcare workforce
* Presence of PM-related healthcare information for patient, healthcare providers
* Current availability of PM (genetic testing and/or treatment)
* Financing mechanism for research, capacity-building, infrastructure, PM healthcare service
* Monitoring review and evaluation of clinical, ethical, social, equity outcomes
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| 2. Governance | DefinitionNational strategy/plan including policies, initiativesComprehensive PM legislation/guidelineEthical, social, legal (regulatory) framework on PM: research, marketing authorization, clinical useEthical, social, legal (regulatory) framework for genetic data: data ownership, privacy, security/protection, sharingDirect to consumer test legislation or code of conductMulti-stakeholder working group/collaboration/partnership |
| 3. Access | HTA framework for coverage, pricing and reimbursement of PM (cost effectiveness, clinical effectiveness including analytical validity/clinical validity/clinical utility, ethical & social consideration)  |
| 4. Awareness | Patient support/advocacy groupsPublic awareness/health literacyPatient involvement in healthcare and/or research |
| 5. Implementation | Integration to care pathwayCentre of expertise/excellenceEducation and training for PM specialized and non-PM specialized healthcare workforce (primary healthcare) including medical school |
| 6. Data | ICT infrastructure, e.g. EHRBiobank and patient registriesData harmonization |
| **Abbreviations**EHR, electronic health record; GDP, gross domestic product; HTA, health technology assessment; ICT, information and communication technology; PM, personalised medicine; THE, total health expenditure; USD, United States dollar. |