

Appendix II: Actors of the Precision Medicine ecosystem.

Actors	Description / related ideas	Numbers (from Appendix I) of the articles
Individuals	A human being, a specific person. Examples: Patient, general people, biological relatives.	All
Researchers and Research Institutions	Individuals or organizations that take part in research. Examples: researchers, biologists, pharmacists, computational biologists, bioinformatics experts, universities, projects/consortia (The Cancer Genome Atlas (TCGA), National Human Genome Research Institute (NHGRI), Precision Medicine Initiative, etc.), institutes (National Cancer Institute (NCI), National Human Genome Research Institute, etc.).	1-3, 5-8, 10-12, 14, 16-19, 23-27, 29-32, 35-45
Health Care People and Hospitals	People and places that address medical issues with patients. Examples: physicians, nurses, clinical team, caregivers, healthcare providers, hospitals, clinics.	1, 3, 5, 6, 9, 10, 14, 16-19, 25, 26, 30, 32-35, 37, 39-43, 45
Regulators / Government	Agencies or any level of government that deals with legislation or public policy. Examples: federal government, justice, Food and Drug Administration (FDA), European Medicines Agency (EMA).	1, 5, 6, 12, 15-17, 19, 20, 23, 25, 31, 39, 41
Laboratories	Organizations that provide health tests. Examples: laboratories, Direct-to-Consumer (DTC) companies, diagnostics start-up.	1, 3, 5, 14, 16, 20, 24-27, 34, 40, 44
Genetic Specialists	Healthcare professional experts in genetics. Examples: geneticists, genetic counselors, bioethicists, institutional review board.	1, 3, 5, 9, 16-18, 30, 33, 43
Life-Science Corporations	Corporations related to health equipment or health data. Examples: corporations (multinational companies, Roche, Google, IBM, etc.), manufactures of equipment for sequencing (Illumina, etc.).	5, 14, 24, 26, 40
Pharmaceutical Industry	Companies related to drug discovery, development, production, commercialization, and usage as medication. Examples: pharmaceutical companies (Pfizer, GlaxoSmithKline, etc.), drugstores.	17, 19, 22, 26, 30
Insurance Companies	Organizations that offer a coverage that provides for the payments of benefits because of sickness or injury (health insurance). Examples: government agency, private business, or not-for-profit entity.	1, 6, 26, 41
Funders	Organizations or individuals that fund a company. Example: venture capitalists.	29, 40, 43
IT Companies	Information technology companies that deal with hardware or software applied to health care. Examples: software and database companies, cloud-computing providers.	26, 40
Biobanks	Organizations that store biological samples. They can be public or private and commercial and non-profit. Examples: UK Biobank, Alberta Prostate Cancer Biorepository, DeCODE genetics.	29, 43