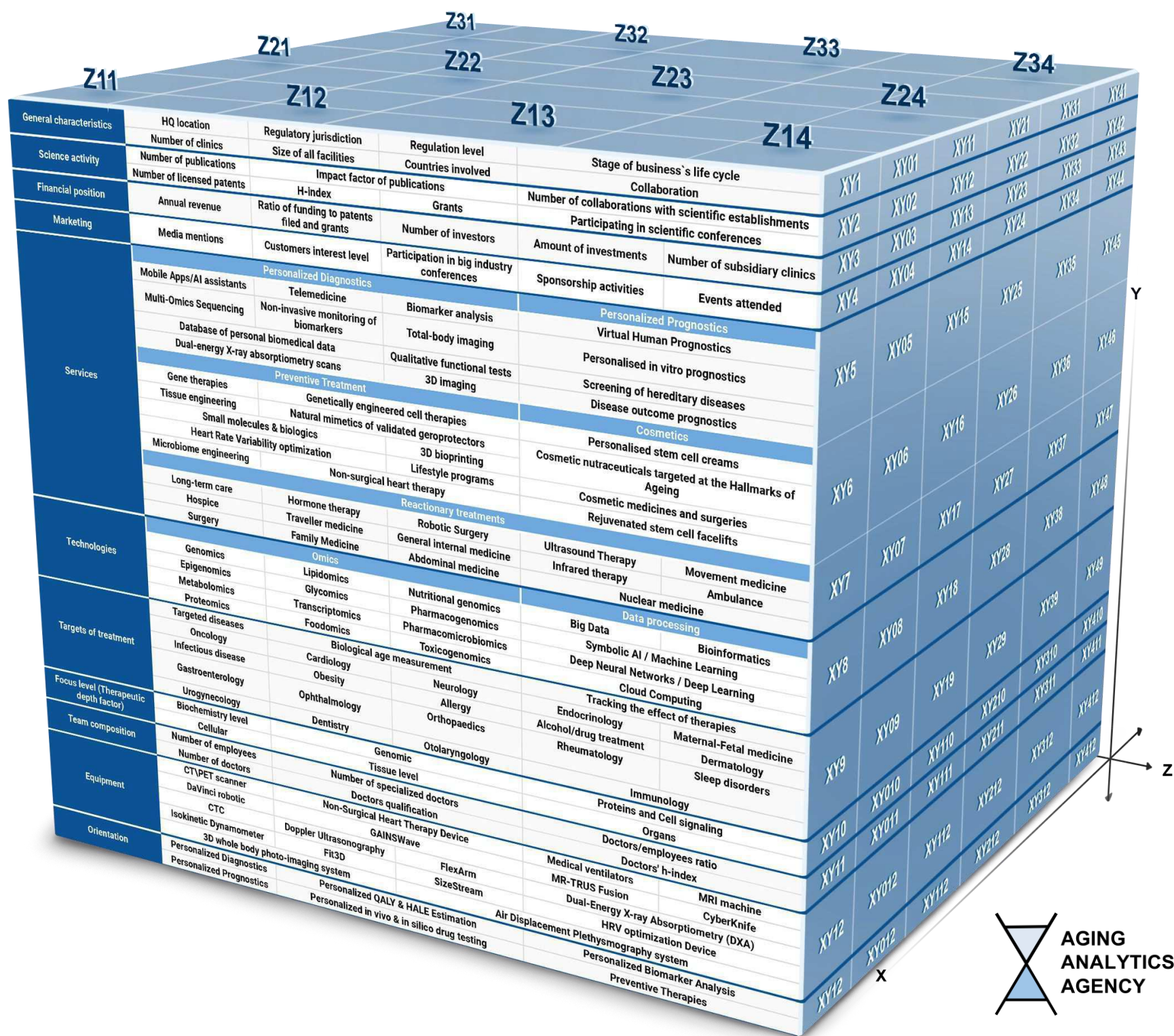


# Precision Medicine Clinics 3D Analytical Framework

*Aging Analytics Agency believes that the effective analysis of as complex and multidimensional an industry as Precision Medicine Clinics requires the application of an equally multidimensional analytical framework. This analytical framework presented in the present white paper includes metrics for identifying the breadth of the industry, identifying the degree of technological development, staff professionalism, range of provided services, financial position and scientific activity.*



# Precision Medicine Clinics Industry Analytical Framework

										Targeted diseases	Alcohol/drug treatment		
										Biological age measurement	Dermatology		
										Tracking the effect of therapies	Gastroenterology		
HQ location								CT\PET scanner		CTC	Oncology		
Regulatory jurisdiction								Non-Surgical Heart Therapy Device		Doppler Ultrasonography	Ophthalmology		
Regulation level				Personalized Diagnostics		Biochemistry level	Number of employees	Impact factor of publications	Medical ventilators	FlexArm	Cardiology	Orthopaedics	
Countries involved		Annual revenue	Media mentions	Personalized Prognostics	Personalized QALY & HALE Estimation	Genomic	Number of doctors	Number of licensed patents	MRI machine	Isokinetic Dynamometer	Neurology	Rheumatology	
Number of clinics		Ratio of funding to patents filed and grants	Customers interest level	Personalized Diagnostics	Personalized Biomarker Analysis	Proteins and Cell signaling	Number of specialized doctors	Number of collaborations with scientific establishments	DaVinci robotic	Dual-Energy X-ray Absorptiometry (DXA)	Endocrinology	Sleep disorders	
Size of all facilities		Number of investors	Participation in big industry conferences	Preventive Treatment	Personalized Prognostics	Cellular	Doctors/employees ratio	H-index	HRV optimization Device	SizeStream	Infectious disease	Dentistry	
Stage of business's life cycle		Amount of investments	Sponsorship activities	Data processing	Reactionary treatments	Personalized in vivo & in silico drug testing	Tissue level	Doctors qualification	Grants	MR-TRUS Fusion	Air Displacement Plethysmography system	Obesity	Otolaryngology
Collaboration		Number of subsidiary clinics	Events attended	Omics	Cosmetics	Preventive Therapies	Organs	Doctors' h-index	Participating in scientific conferences	CyberKnife	3D wholebody photo-imaging system	Allergy	Immunology
General characteristics	Financial position	Marketing	Technologies	Services	Orientation	Focus level (Therapeutic depth factor)	Team composition	Science activity	Equipment		Targets of treatment		

Reactionary treatments	Nuclear medicine	Infrared therapy	Ultrasound Therapy	Movement medicine	Abdominal medicine	General internal medicine	Robotic Surgery
	Ambulance	Family Medicine	Traveller medicine	Hormone therapy	Surgery	Hospice	Long-term care
Preventive Treatment	Microbiome engineering	Lifestyle programs	Non-surgical heart therapy	Heart Rate Variability optimization	3D bioprinting	Natural mimetics of validated geroprotectors	
	Small molecules & biologics	Tissue engineering	Genetically engineered cell therapies	Cell therapies	Gene therapies		
Personalized Diagnostics	3D imaging	Dual-energy X-ray absorptiometry scans	Total-body imaging	Non-invasive monitoring of biomarkers	Multi-Omics Sequencing		
	Qualitative functional tests	Database of personal biomedical data	Biomarker analysis	Telemedicine	Mobile Apps/AI assistants		
Cosmetics	Rejuvenated stem cell facelifts	Cosmetic medicines and surgeries	Cosmetic nutraceuticals targeted at the Hallmarks of Ageing	Personalised stem cell creams			
Personalized Prognostics	Disease outcome prognostics	Screening of hereditary diseases	Personalised in vitro prognostics	Virtual Human Prognostics			
<b>TECHNOLOGIES</b>							
Omics	Toxicogenomics	Pharmacomicrobiomics	Pharmacogenomics	Nutritional genomics	Foodomics		
	Transcriptomics	Glycomics	Lipidomics	Proteomics	Metabolomics		
Data processing	Bioinformatics	Cloud Computing	Deep Neural Networks /Deep Learning	Symbolic AI/ Machine Learning	Big Data		



# Precision Medicine Clinics Industry Analytical Framework

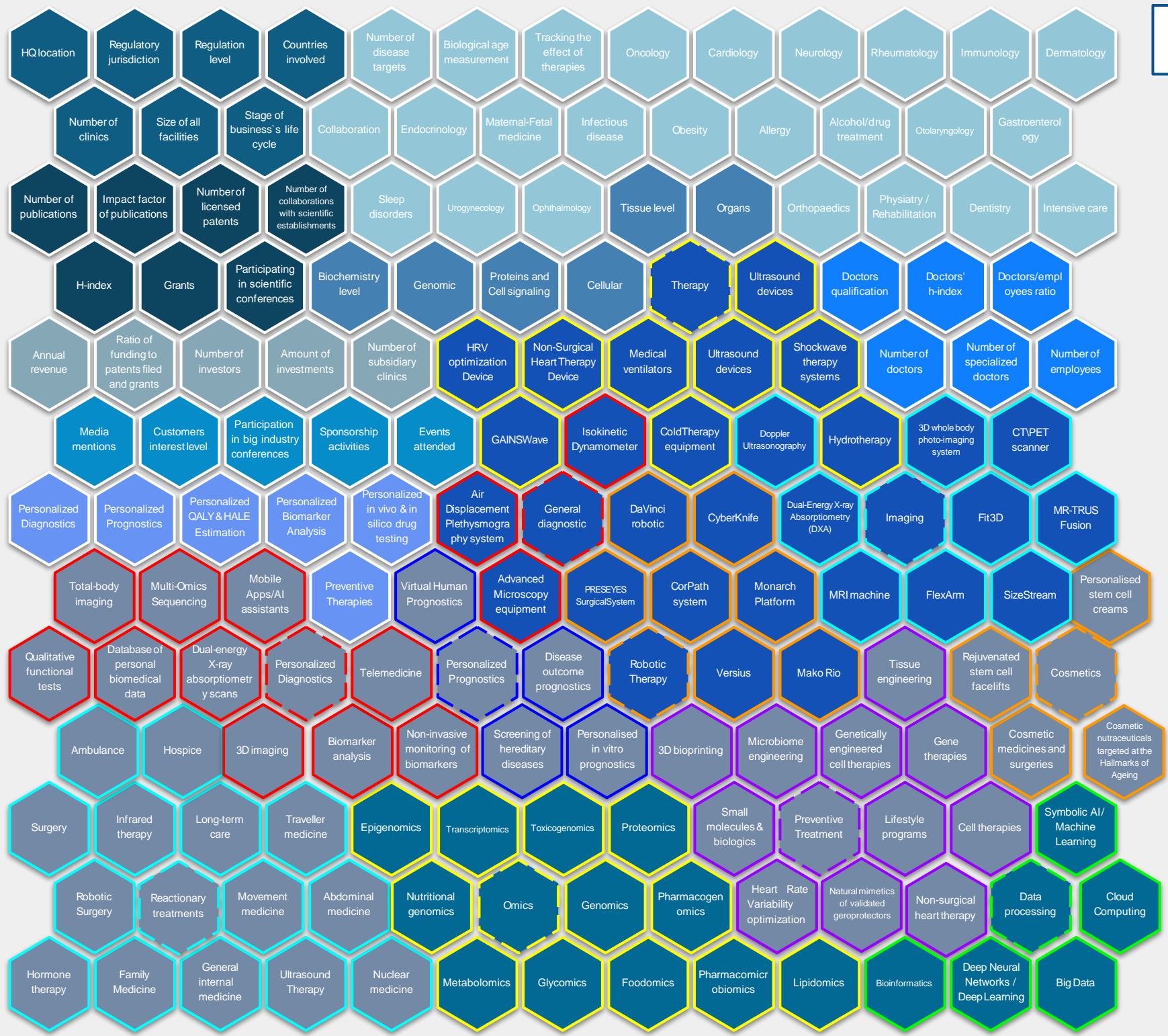
General characteristics	HQ location	Regulatory jurisdiction	Regulation level	Stage of business 's lifecycle	
	Number of clinics	Size of all facilities	Countries involved	Collaboration	
Science activity	Number of publications	Impact factor of publications		Number of collaborations with scientific establishments	
	Number of licensed patents	H-index	Grants	Participating in scientific conferences	
Financial position	Annual revenue	Ratio of funding topatents filed and grants	Number of investors	Amount of investments	Number of subsidiary clinics
Marketing	Media mentions	Customers interest level	Participation in big industry conferences	Sponsorship activities	Events attended
	Personalized Diagnostics			Personalized Prognostics	
Services	Mobile Apps/AI assistants	Telemedicine	Biomarker analysis	Virtual Human Prognostics	
	Multi-Omics Sequencing	Non-invasive monitoring of biomarkers	Total-body imaging	Personalised in vitro prognostics	
	Database of personal biomedical data		Qualitative functional tests	Screening of hereditary diseases	
	Dual-energy X-ray absorptiometry scans		3D imaging	Disease outcome prognostics	
	Preventive Treatment			Cosmetics	
	Gene therapies	Genetically engineered cell therapies		Personalised stem cell creams	
	Tissue engineering	Natural mimetics of validatedgeroprotectors		Cosmetic nutraceuticals targeted at the Hallmarks of Ageing	
	Small molecules & biologics		3D bioprinting		
	Heart Rate Variability optimization		Lifestyle programs	Cosmetic medicines and surgeries	
	Microbiome engineering	Non-surgical heart therapy		Rejuvenated stem cell facelifts	
Technologies	Reactionary treatments				
	Long-term care	Hormone therapy	Robotic Surgery	Ultrasound Therapy	Movement medicine
	Hospice	Traveller medicine	General internal medicine	Infrared therapy	Ambulance
	Surgery	Family Medicine	Abdominal medicine	Nuclear medicine	
	Omics			Data processing	
	Genomics	Lipidomics	Nutritional genomics	Big Data	Bioinformatics
	Epigenomics	Glycomics	Pharmacogenomics	Symbolic AI / Machine Learning	
	Metabolomics	Transcriptomics	Pharmacomicrobiomics	Deep Neural Networks / Deep Learning	
	Proteomics	Foodomics	Toxicogenomics	Cloud Computing	
	Targets of treatment	Targeted diseases	Biological age measurement		Tracking the effect of therapies
Oncology		Cardiology	Neurology	Endocrinology	Maternal-Fetal medicine
Infectious disease		Obesity	Allergy	Alcohol/drug treatment	Dermatology
Gastroenterology		Ophthalmology	Orthopaedics	Rheumatology	Sleep disorders
Urogynecology		Dentistry	Otolaryngology	Immunology	
Focus level (Therapeutic depth factor)	Biochemistry level	Genomic		Proteins and Cell signaling	
	Cellular	Tissue level		Organs	
Team composition	Number of employees	Number of specialized doctors		Doctors/employees ratio	
	Number of doctors	Doctors qualification		Doctors' h-index	
Equipment	CT/PET scanner	Non-Surgical Heart Therapy Device		Medical ventilators	MRI machine
	DaVinci robotic	GAINSWave		MR-TRUS Fusion	CyberKnife
	CTC	Doppler Ultrasonography	FlexArm	Dual-Energy X-ray Absorptiometry (DXA)	
	Isokinetic Dynamometer	Fit3D	SizeStream	HRV optimization Device	
Orientation	3D whole body photo-imaging system		Air Displacement Plethysmography system		
	Personalized Diagnostics	Personalized QALY & HALE Estimation		Personalized Biomarker Analysis	
	Personalized Prognostics	Personalized in vivo & in silico drugtesting		Preventive Therapies	



# Precision Medicine Clinics Industry Analytical Framework

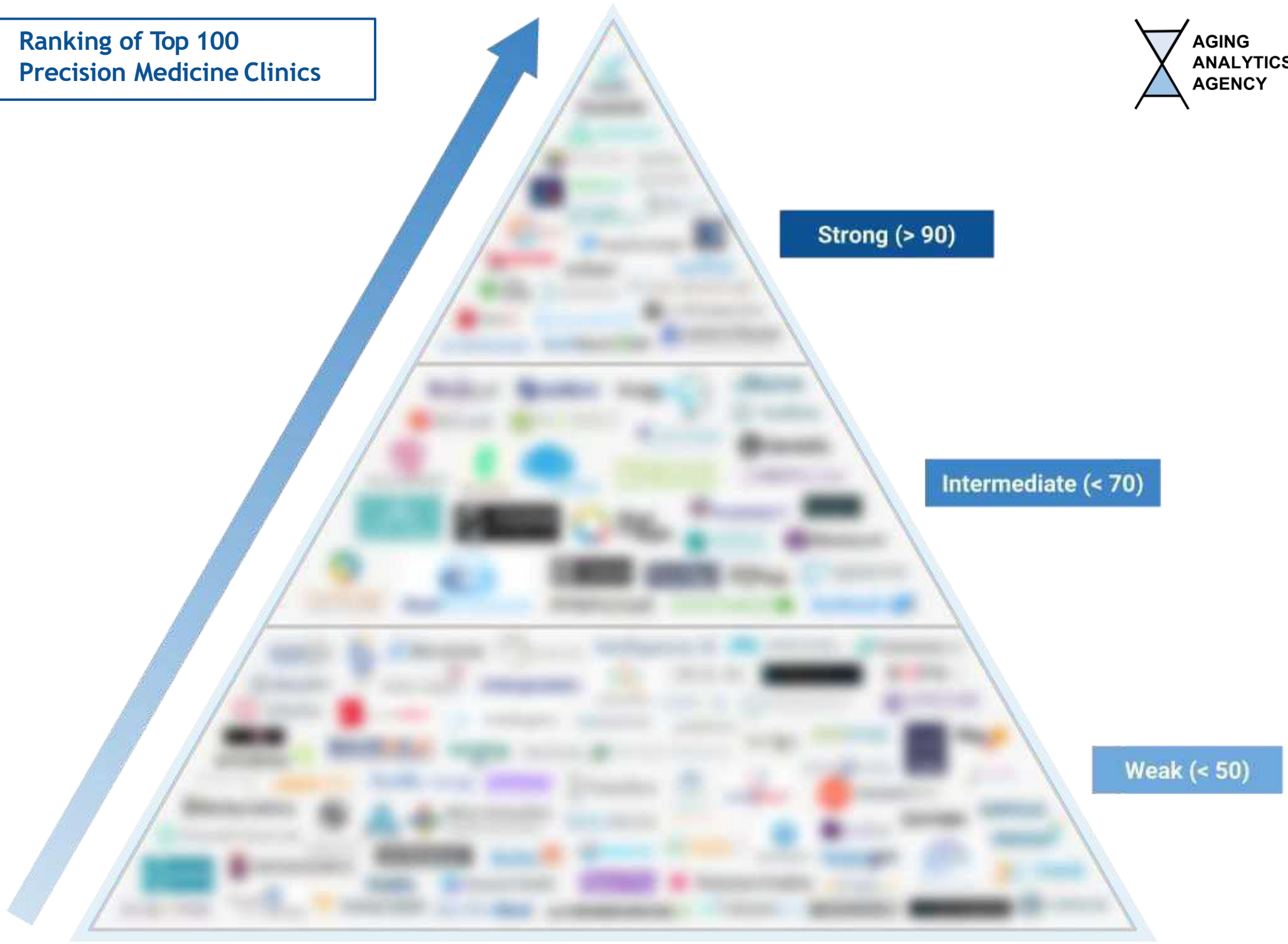
General characteristics	HQ location	Regulatory jurisdiction	Regulation level	Stage of business`s lifecycle		
	Number of clinics	Size of all facilities	Countries involved	Collaboration		
Science activity	Number of publications	Impact factor of publications		Number of collaborations with scientific establishments		
	Number of licensed patents	H-index	Grants	Participating in scientific conferences		
Financial position	Annual revenue	Ratio of funding to patents filed and grants	Number of investors	Amount of investments	Number of subsidiary clinics	
Marketing	Media mentions	Customers interest level	Participation in big industry conferences	Sponsorship activities	Events attended	
Services	Personalized Diagnostics			Personalized Prognostics		
	Preventive Treatment			Cosmetics		
	Reactionary treatments					
Technologies	Omics			Data processing		
Targets of treatment	Targeted diseases	Biological age measurement		Tracking the effect of therapies		
	Oncology	Cardiology	Neurology	Endocrinology	Maternal-Fetal medicine	
	Infectious disease	Obesity	Allergy	Alcohol/drug treatment	Dermatology	
	Gastroenterology	Ophthalmology	Orthopaedics	Rheumatology	Sleep disorders	
	Urogynecology	Dentistry	Otolaryngology	Immunology		
	Biochemistry level	Genomic		Proteins and Cell signaling		
Cellular	Tissue level		Organs			
Team composition	Number of employees	Number of specialized doctors		Doctors/employees ratio		
	Number of doctors	Doctors qualification		Doctors' h-index		
Equipment	CT\PET scanner	Non-Surgical Heart Therapy Device		Medical ventilators	MRI machine	
	DaVinci robotic	GAINSWave		MR-TRUS Fusion	CyberKnife	
	CTC	Doppler Ultrasonography	FlexArm	Dual-Energy X-ray Absorptiometry (DXA)		
	Isokinetic Dynamometer	Fit3D	SizeStream	HRV optimization Device		
	3D whole body photo-imaging system		Air Displacement Plethysmography system			
	Personalized Diagnostics	Personalized QALY & HALE Estimation		Personalized Biomarker Analysis		
Orientation	Personalized Prognostics	Personalized in vivo & in silico drugtesting		Preventive Therapies		

# Precision Medicine Clinics Analytical Framework

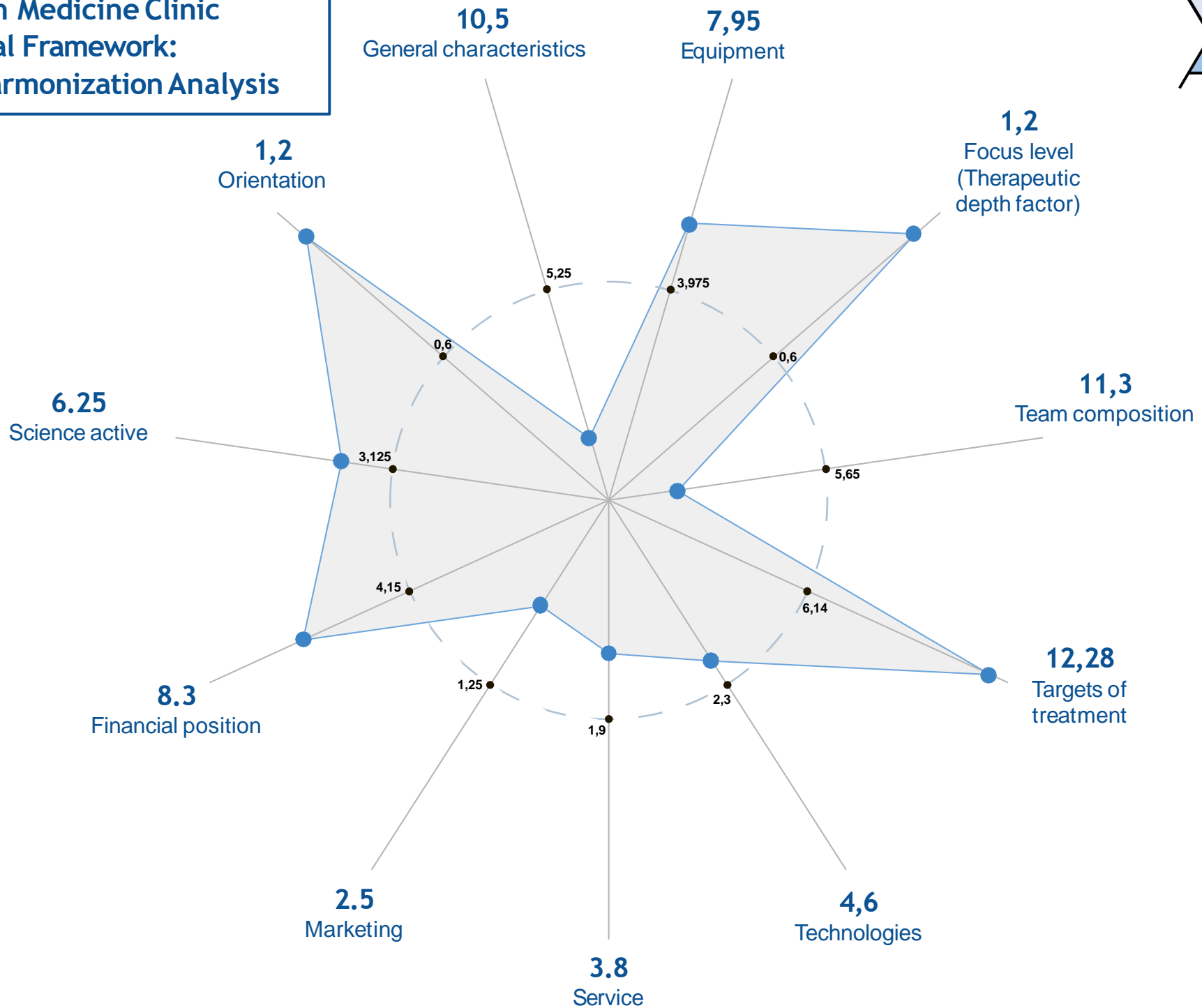


- Focus level (Therapeutic depth factor)** ●
- Targets of treatment** ●
- Team composition** ●
- Orientation** ●
- Marketing** ●
- Financial position** ●
- Science activity** ●
- General characteristics** ●
- Services** ●
- Personalized Diagnostics** ●
- Personalized Prognostics** ●
- Preventive Treatment** ●
- Reactionary treatments** ●
- Cosmetics** ●
- Technologies** ●
- Omics** ●
- Data processing** ●
- Equipment** ●
- Imaging** ●
- General diagnostic** ●
- Therapy** ●
- Robotic Therapy** ●

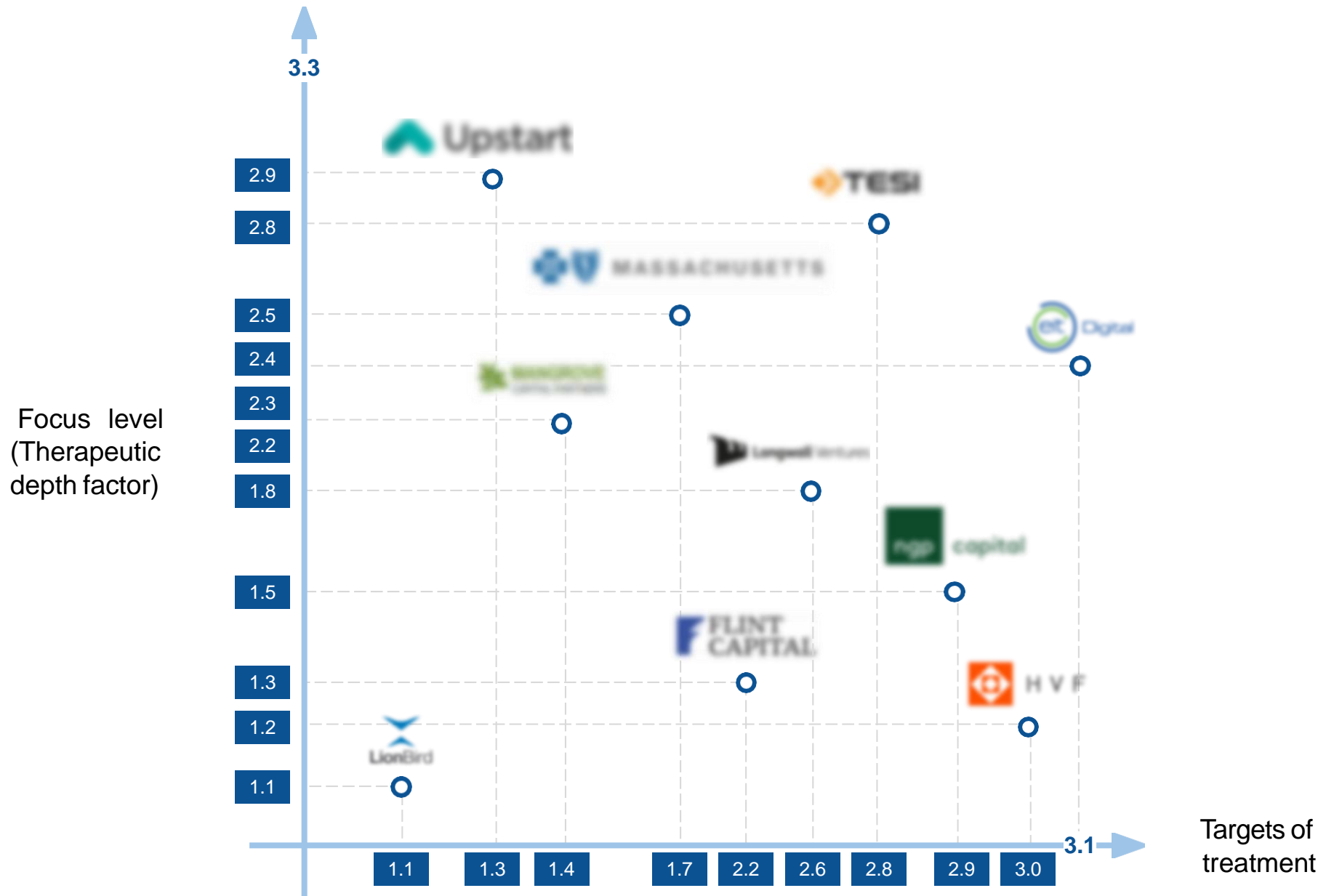
**Ranking of Top 100  
Precision Medicine Clinics**



**Precision Medicine Clinic  
Analytical Framework:  
Clinic Harmonization Analysis**

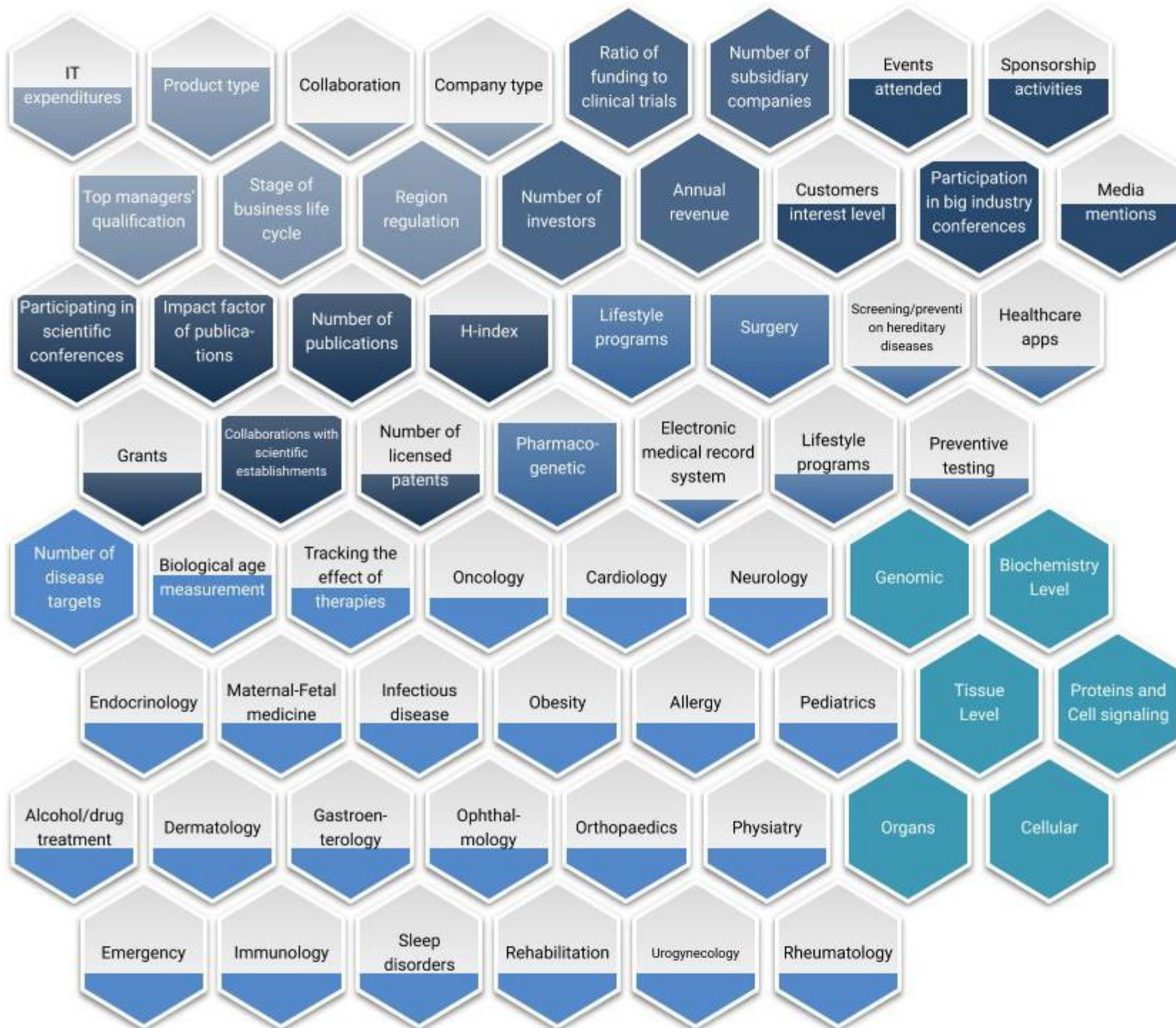


# Precision Medicine Clinic Product and Service Pipeline Therapeutic Depth vs. Breadth Analysis





# Precision Medicine Clinics Industry Analytical Framework



- General characteristics 
- Science activity 
- Financial position 
- Marketing 
- Services 
- Targets of treatment 
- Focus level (depth factor) 

**Technology Readiness Level (TRL)**

9	Commercialized
8	Pre-Production
7	Field Test
6	Prototype
5	Bench/Lab Testing
4	Detailed Design

Technology Readiness Levels (TRL) are a common measure of how close a technology is for practical use, used in many engineering disciplines. By applying it to progressive medicine, we can forecast how long it will take a given therapeutic or technology to witness practical applications in the clinic or home. The darkness of each hexagon represents its TRL, with darker colors indicating a low TRL and brighter colors indicating a high TRL. All technologies and therapeutics shown here have a TRL between 8-9.