

Supplementary A. Example of the questionnaire of the second round of Delphi survey

This is an example of the questionnaire of the second round of the Delphi survey that we provide to one expert. In the second round survey, we first presented the responses that he/she marked and agreement rates of all experts from the first round survey and asked the expert to complete the second round as below.

- Please check the first round result for each item and complete the second response on a 4-point Likert scale.

1. Technology domain (15 items)												
Category	Item	Change status	Importance				Urgency				Difficulty	
			1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	
1.1 Development	1.1.1 IoT (Internet of Things)		3	100%		2	94%		3	69%		
	1.1.2 AI (artificial intelligence)		4	88%		3	88%		4	69%		
	1.1.3 Blockchain		2	63%		2	63%		3	75%		
	1.1.4 AR/VR (augmented/virtual reality)		2	56%		2	38%		2	38%		
	1.1.5 3D printing		2	75%		2	50%		2	63%		
	1.1.6 Genome sequencing		3	81%		2	63%		3	75%		
	1.1.7 PHR (personal health record)		2	94%		2	88%		2	69%		
	1.1.8 Mobile or web application	Revised	2	63%		2	50%		1	25%		
	1.1.9 Cloud		1	69%		1	63%		1	50%		
	1.1.10 5G		1	75%		1	56%		1	56%		
1.2 Standards	1.2.1 CDM (common data model)		2	56%		2	38%		2	19%		
	1.2.2 Interoperability		2	93%		2	80%		2	73%		
	1.2.3 Terminology standards	New										
1.3 Security	1.3.1 Personal information protection		4	94%		4	88%		3	81%		
	1.3.2 Technology for information security		4	100%		4	94%		4	75%		

2. Application domain (6 items)												
Category	Item	Change status	Importance				Urgency				Difficulty	
			1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	
2.1 Service Development	2.1.1 Usage of health information		2	81%		2	69%		1	38%		
	2.1.2 Telemedicine		1	69%		1	63%		1	50%		
	2.1.3 Services adopting technology	Revised	1	80%		1	73%		2	56%		
2.2 Data Utilization	2.2.1 Data quality		4	100%		4	100%		3	81%		
	2.2.2 Data science	Revised	4	100%		4	100%		4	80%		
	2.2.3 Data platform for precision health	Revised	3	88%		2	75%		3	94%		

3. Infrastructure domain (19 items)												
Category	Item	Change status	Importance				Urgency				Difficulty	
			1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	1st response	1st agreement rate	2nd response	
			4	87%		3	73%		3	53%		
3.4 Policy and Support	3.4.1 Linking R&D of HIT	Revised	4	87%		3	73%		3	53%		
	3.4.2 Supporting companies with HIT		3	73%		2	53%		1	13%		
	3.4.3 Prioritizing investment areas	Revised	3	67%		2	53%		1	27%		
	3.4.4 Reinforcing education on rights of personal information	New										
	3.4.5 Assessing the appropriateness of HIT		4	100%		3	93%		3	73%		
	3.4.6 Managing EMR certification system and process	Revised	3	93%		2	87%		3	53%		
	3.4.7 Utilization of HIT	Revised	3	87%		2	80%		2	53%		