Food Safety Performance Tool Validation consultation

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What is food safety system performance?

- Food safety system performance benchmarking can help decision-makers understand relative performance and motivate improvements.
- In addition, they can help in identifying capacitybuilding and investment needs, and in setting and monitoring targets.
- ILRI works of FSPT focus on LMICs.

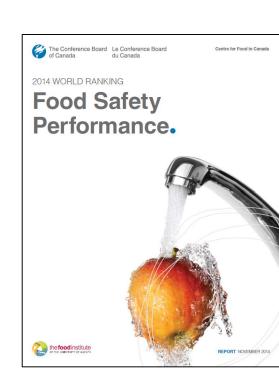


EXECUTIVE SUMMARY

2014 World Ranking: Food Safety Performance

At a Glance

- The report identifies and evaluates common elements among global food safety systems.
- The overall world ranking score is an aggregate generated by the individual scores of 17 countries from the rankings of the 10 food safety performance indicators across three food safety risk governance domains: risk assessment, management, and communication.
- Results show that all countries have very high food safety standards, but
 Canada and Ireland, in particular, earned excellent grades relative to their peers.
- Any subsequent global ranking study should consider the development of survey instruments to gather adequate and comparable national evidence on food safety.



2014 World Ranking: Food Safety Performance of the Conference Board of Canada (Le Vallée and Charlebois, 2014) for 17 Organisation for Economic Cooperation and Development (OECD) countries.

Table 1

Summary: 2014 World Ranking of Food Safety Performance

Country	Mean score	Tier		
Canada	2.6	1		
Ireland	2.6	1		
France	2.4	1		
United Kingdom	2.33	1		
Norway	2.33	1		
United States	2.3	1		
Japan	2.22	2		
Netherlands	2.2	2		
Finland	2.2	2		
Denmark	2.2	2		
Austria	2.2	2		
Switzerland	2.11	3		
Sweden	2.1	3		
Australia	2.1	3		
Germany	2.1	3		
Italy	2	3		
Belgium	2	3 September 1 (Commenter of Commenter of Com		

10 indicators

Risk Assessment

- pesticide use
- total diet studies
- •food-borne illness rates (microbial risk)
- national food/dietary consumption studies

Risk Management

- national food safety response capacity
- food recalls
- food traceability
- radionuclides standards

Risk Communication

- •food allergies (allergenic risk)
- public trust

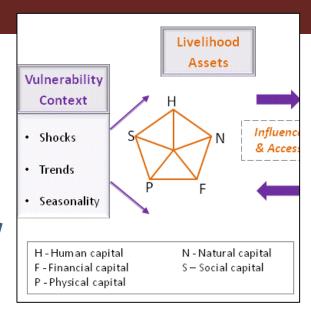
Food Safety Performance tool

The FSSP tool was developed to allow rapid, objective assessment of food safety system performance in LMIC.



 Risk-based framework addressing risk assessment, risk management and risk communication

Used to calculate the food safety performance score







FSPT for LMIC

Risk Assessment

publications on FBD

Risk Management

- national food safety response capacity
- trade violations
- veterinary personnel
- OIE focal points
- •foodborne disease

outcomes

Risk Communication

- public trust
- internet penetration



Component of Food Safety Performance tool

Risk assessment:

- □ Proportion of research papers on food safety among all published research papers in a country (Pubmed searches)
- ☐ Food-borne disease burden from the Institute for Health Metrics and Evaluation (IHME)



Component of Food Safety Performance tool

Risk management:

- ☐IHR results to food safety + Zoonoses + chemicals
- ☐ Food-borne disease burden from IHME (as above)
- □ Number of vets and paravets (OIE data) per livestock unit (FAOSTAT data).
- □ Number of violations recorded in the RASFF (for food exports to France, Spain, Germany, Italy and the UK) divided by the trade value of food products to the same EU countries.



Component of Food Safety Performance tool

Risk communication:

- ☐ Corruption Perceptions Index of Transparency international.
 - Rationale: we were looking for a proxy of public trust in food safety
 - Caveat: there may be differences between general trust and trust in the food system
- ☐ Proportion of the population with internet access
 - Rationale: considering that internet may be the main communication mean to disseminate information on food safety.
 - Caveat: internet access doesn't necessarily mean good communication efforts on food safety risks to the general public.



Table 1: Ranking of regions on SFPT

Region	risk_ass	IHR	FBD	RASFF	vetLSU	Intern et	cor rup tio n	Risk Analys score	Risk Analys ranki
OECD	1	1	1	2	4	1	1	11	1
ECA	2	2	2	3	2	2	4	17	2
LAC	4	3	4	1	7	3	2	24	3
EAP	5	5	5	5	1	5	3	29	4
MEAN	3	4	3	7	3	4	7	31	5
SA	6	6	6	4	6	6	5	39	6
SSA	7	7	7	6	5	7	6	45	7



OECD countries, Europe & Central Asia, Latin America & Caribbean, East Asia &

Pacific, Middle East & North Africa, South Asia, Sub-Sahara

Table 2: Ranki

Score

148

208

223

225

226

229

234

234 245

246

258

269

272

294

297

299

304

304

307

318

318

326

331

331

332

334

Rank

Country

Singapore

Kazakhstan

St. Vincent and the Grenadines

Malaysia

Belarus

Bulgaria

Jordan

Ukraine Romania

China

Serbia

Brazil

Costa Rica

Suriname

Mauritius

Colombia

Georgia

Argentina

Guyana

Jamaica

Armenia

Turkey

Russian Federation

Brunei Darussalam

Bosnia and Herzegovina

Cuba

zi.	ring of LMIC countries							
N	king of LMIC countries							
				Bolivia				
				Tuvalu				
				Maldive				
				Botswa				
ank				Vietnan				
	Bhutan	336	27	Algeria				
	St. Lucia	338	28	Indones				
	North Macedonia	342	29	Namibi				
1	Sao Tome and Principe	342	30	Grenad				
2	Tonga	343	31	Ecuado				
3	Fiji	346	32	Ghana				
4	Kyrgyz Republic	347	33	Cote d'I				
5	Lebanon	349	34	Syrian A				
6	Tunisia	350	35	Guatem				
7	Azerbaijan	353	36	Marsha				
8	Iran, Islamic Rep.	355	37	Iraq				
9	Albania	362	38	Vanuat				
10	Montenegro	362	39	Zambia				
11	South Africa	364	40	Domini				
12	Sri Lanka	365	41	India				
	Moldova	366	42	Korea, I				
13	Morocco	368	43	Rwanda				
14	Micronesia, Fed. Sts.	369	44	Peru				
15	El Salvador	372	45	Cabo Ve				
16	Kiribati	373	46	Nigeri				
17	Samoa	378	47	Somal				
18	Mongolia	381	48	Benin				
19	Turkmenistan	383	49	Congo				
20	Philippines	385	50	South				
21	Belize	390	51	Guine				
22	Nauru	391	52	Niger				
23	Lesotho	401	53	Chad				
24	Dominica	407	54	Centra				
25	Thailand	408	55	Angol				
26	Mexico	409	56	Guine Mada				
20				Fritre				

Paraguay	
Eswatini	
Timor-Leste	
Bolivia	
Tuvalu	
Maldives	
Botswana	
Vietnam	
Algeria	
Indonesia	
Namibia	
Grenada	
Ecuador	
Ghana	
Cote d'Ivoire	
Syrian Arab Republic	
Guatemala	
Marshall Islands	
Iraq	
Vanuatu	
Zambia	
Dominican Republic	
India	
Korea, Dem. People's Rep.	
Rwanda	
Peru	
Cabo Verde	
Nigeria	
Somalia	
Benin	
Congo, Dem. Rep.	
South Sudan	
Guinea	
Niger	
Chad	

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nda	521	84
	526	85
Verde	528	86
eria	709	124
ralia	709	125
in	732	126
go, Dem. Rep.	742	127
th Sudan	747	128
nea	753	129
er	754	130
d	760	131
tral African Republic	784	132
ola	786	133
nea-Bissau	786	134
dagascar	807	135
rea	243	136

416

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Table 3. Ranking of Asian countries

Rank

	1 4	DIC 3			18 0					<u>ی</u>	
Country		Region	risk_ass_LMI C_rank	IHR_rank	FBD_rank	RASFF_rank	vetLSU_rank	internet_ran k	TI_rank	Score	
Singapore		EAP	19	2	15	108	1	. 2	1		
Malaysia		EAP	76	1	. 39	58	31	. 3	15		2
China		EAP	13	15	73	85	14	38	31		2
Brunei Daruss	alam	EAP	81	46	24	135	4	1	. 8	,	2
Bhutan		SA	82	85	62	20	29	56	2		3
Tonga		40	71	• 1	1 1					_	;
Fiji	Chin	alノ	In	alla	nd '	לל	VIP1	tnar	nh		3
Sri Lanka		u IZ	,	ana	110		VIC	ciiai	110	"	3
Micronesia, F					_						
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	•			-				•			

Mongolia EAP Τр b 4U **Philippines** EAP

EAP **EAP**

EAP EAP

Thailand Timor-Leste Tuvalu Maldives SA Vietnam EAP Indonesia EAP Marshall Islands EAP

Vanuatu EAP

India SA

Nauru

Korea, Dem. People's Rep.

Solomon Islands

Papua New Guinea

Myanmar

Cambodia

Bangladesh

Lao PDR

Pakistan

Afghanistan

Nepal

EAP

EAP

EAP

EAP

SA

EAP

EAP

SA

SA

SA

Questions for your comments

- 1. For each ranking, do you think our index ranks countries in an accurate way?
- 2. Do you think it is a good indicator of each of the category?
- 3. What are your suggestions to improve the quality of the tool?



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