Supplementary Table S1. Travel Medicine Curriculum Survey

Epidemiology.

						If "Y	es" to "Taught in Program"			
Topic		aught in rogram	Course Name	Т	ype of Course	T	eaching Mode(s) SELECT ALL THAT APPLY	Is	student learning evaluated in a summative assessment?	
Basic concepts (e.g., morbidity, mortality, incidence, prevalence)		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ for	Yes No (for information only, or mative assessment)	
Geographic specificity/global distribution of disease and potential health hazards		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ for:	Yes No (for information only, or mative assessment)	
Estimated total hours of teaching time on epidemiology topics above:										

Immunology/Vaccinology.

					If	"Yes"	to "Taught in Program"		
Topic	Тэн	ght in Program	Course Name		Type of Course	T	eaching Mode(s) SELECT ALL	Is s	tudent learning evaluated
	Tau	giit iii i iogiaiii	Course Name		Type of Course		THAT APPLY	in	a summative assessment?
Basic concepts (e.g., live vs. inactivated vaccine, measurement of immune response)		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Handling, storage, and disposal of vaccines and related supplies Routine vaccination (disease information)	□ □ tion, in	Yes No adications/contrain			-	_	In Class/Didactic Self-Study/Online Simulation Labs Other: nens, duration of protection, imn		Yes No (for information y, or formative assessment) enicity, efficacy, potential
			adverse react	ions a	nd their manageme				
Bacille Calmette–Guérin		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Diptheria, tetanus, pertussis		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Haemophilus influenzae type B		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Influenza		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Measles, mumps, rubella		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)

Meningococcal	Yes D	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
Poliomyelitis	Yes DNo D	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Varicella 🗆	Yes D	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
	Estimated total hours of teaching time of			
Non-travel recommended vaccinations (ind		0 0	ens, duration of protection, immu	nogenicity, efficacy, potential
	adverse reactions a	nd their management):		
Human papillomavirus	Yes □ No □	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
Pneumococcal	Yes D	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Tetanus \Box	Yes D	Required/Core	In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Zoster Zoster	Yes No Inated total hours of teaching time on non-tra	Required/Core Elective avel recommended vaccing	In Class/Didactic Self-Study/Online Simulation Labs Other: aations above:	☐ Yes ☐ No (for information only, or formative assessment)

Travel vaccinations (indications/cont	raindications, routes of admin	istration, dosing regimens, duration of pro	otection, immunogenicity,	efficacy, potential adverse reactions and
		their management):		
Cholera	□ Yes □ No	□ Required/Core □ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes ☐ No (for information only, or formative assessment)
Japanese encephalitis	□ Yes □ No	☐ Required/Core☐ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes ☐ No (for information only, or formative assessment)
Hepatitis A, hepatitis B	□ Yes □ No	☐ Required/Core☐ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes ☐ No (for information only, or formative assessment)
Rabies	□ Yes □ No	□ Required/Core □ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes☐ No (for information only, or formative assessment)
Tick-borne encephalitis	□ Yes □ No	□ Required/Core □ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes ☐ No (for information only, or formative assessment)
Typhoid	□ Yes □ No	□ Required/Core □ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes ☐ No (for information only, or formative assessment)
Yellow fever	□ Yes □ No	□ Required/Core □ Elective	□ In Class/Didactic □ Self-Study/Online □ Simulation Labs □ Other:	☐ Yes☐ No (for information only, or formative assessment)
	Estimated total hou	ers of teaching time on travel vaccinations a	above:	

Pre-Travel Assessment/Consultation.

				If "Yes" to "	Taught in I	Program"	
Topic	:	ught in gram	Course Name	Type of Course		Teaching Mode(s) ELECT ALL THAT APPLY	Is student learning evaluated in a summative assessment?
			Patient ev	aluation			
Evaluation of travel itineraries/risk assessment (e.g., pre-existing activities, travel to rural vs. urban areas)		Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Relevant medical history (e.g., previous vaccinations, allergies, chronic illness, mental health history, and concurrent medications)		Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
			ed total hours of teaching time on pa	•			
	Speci	ial popul	lations and the unique management	issues pertaining to	the followi	011	
Immigrants		Yes No	_ 	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
Infants and children		Yes No	_ _	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Pregnant travellers and nursing mothers		Yes No	_ _	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
Travellers with chronic diseases (e.g., diabetes, chronic obstructive pulmonary disease, cardiovascular disease, mental health issues)		Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Travellers who are immunocompromised, including AIDS and HIV		Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs	☐ Yes ☐ No (for information only, or formative assessment)

						Other:		
VFRs (those visiting friends and relatives in their countries of origin)		Yes D		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	•	or information only, ve assessment)
Others: Athletes, business travellers, elderly travellers, expatriates/long-term travellers, travel for the purpose of international adoption, missionaries/health workers, travellers with disabilities, travel to hostile environments		Yes D		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	,	or information only, ve assessment)
		Estimated total hours of teaching time on sı	speci	ial population topics above	:			
Spec	cial it	tineraries and the unique management issu	ues a	associated with the following	ng a	ctivities/itineraries:		
Mass gatherings (e.g., the Hajj)		Yes □ No □		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	,	or information only, we assessment)
Others: Armed conflict zones, cruise travel/sailing, diving, extended stay travel, extreme/wilderness travel, last-minute travel, travel to receive medical care, natural disaster areas, sex tourism, areas experiencing disease outbreaks		Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	,	or information only, ve assessment)
		Estimated total hours of teaching time on s	spec	cial itineraries topics above:				

Travel-Related Diseases.

					If "Yes" to "Taug	ht i	n Program"		
Topic		ght in	Course Name		Type of Course	Tea	ching Mode(s) SELECT		tudent learning evaluated
		gram					ALL THAT APPLY	in	a summative assessment?
Dis	sease	s associ	ated with vectors (including risk	k, pr	revention, signs/symptoms,	com			
Lyme		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Malaria		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
West Nile		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Yellow Fever		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Zika		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Others: African tick-bite fever, chikungunya, dengue, Japanese encephalitis, tick-borne encephalitis, filariasis, hemorrhagic fevers, leishmaniasis, plague, typhus, Rift Valley fever, trypanosomiasis		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ only	Yes No (for information y, or formative assessment)
Personal protective measures against bites		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs	□ □ only	Yes No (for information y, or formative assessment)

					Other:	
	Estim	nated total hours of teaching time on disea	ses associated with vectors t	opics	above:	
Diseases as	sociat	ted with person-to-person contact (includ	ling risk, prevention, signs/s	ympt	toms, complications, treat	ntment)
Sexually transmitted diseases		Yes DNo	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Tuberculosis		Yes D	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
		total hours of teaching time on diseases as				
Diseases asso	cıated	d with ingestion of food and water (inclu	iding risk, prevention, signs			eatment)
Cholera		Yes □ No □	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)
Travellers' diarrhea		Yes DNo D	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Typhoid and paratyphoid fever		Yes No	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Others: Amebiasis, brucellosis, cryptosporidiosis, cyclosporiasis, giardiasis, norovirus		Yes DNo D	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Food and water precautions		Yes D	Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)
Estimated	total l	hours of teaching time on disease associa	ted with ingestion of food a	nd wa	ater topics above:	

Diseases	assoc	iated with bites an	d stings (inclu	ıding	risk, prevention,	signs	s/symptoms, complications, tr	eatme	nt):
Rabies		Yes No			Required/Core Elective		□ In Class/Didaction □ Self-Study/Onlir □ Simulation Labs □ Other:		☐ Yes ☐ No (for information only, or formative assessment)
Others: Envenomation (e.g., jelly fish, sea urchin, scorpion, snake, spiders), herpes B virus, cutaneous larva migrans, legionella, leptospirosis, schistosomiasis		Yes No			Required/Core Elective		☐ In Class/Didaction ☐ Self-Study/Onlint ☐ Simulation Labs ☐ Other:		☐ Yes ☐ No (for information only, or formative assessment)
Estim	ated to	otal hours of teachi	ng time on dis	eases	associated with b	ites a	and stings topics above:		
		C	ther Clinical (Condi	tions Associated	with	Travel.		
						If	f "Yes" to "Taught in Program	"	
Topic	T	aught in Program	Course Name	T	ype of Course	Tea	nching Mode(s) SELECT ALL THAT APPLY	Is	student learning evaluated in a summative assessment?
Barotrauma		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ form	Yes No (for information only, or native assessment)
Jet lag		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ form	Yes No (for information only, or native assessment)
Motion sickness		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ forn	Yes No (for information only, or native assessment)
Thrombosis/embolism		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	□ □ form	Yes No (for information only, or native assessment)
Altitude sickness		Yes No			Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs	□ □ form	Yes No (for information only, or native assessment)

					Other:						
	Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes☐ No (for information only, or formative assessment)					
	Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)					
	Yes No		Required/Core Elective		In Class/Didactic Self-Study/Online Simulation Labs Other:	☐ Yes ☐ No (for information only, or formative assessment)					
total	hours of teaching time o	n other clinic a	al conditions asso	ciated	d with travel topics above:						
Travel Medicine Information/Resources. If "Yes" to "Taught in Program"											
	Taught in Program	Course Name	Type of Cours	e	Teaching Mode(s) SELECT ALL THAT APPLY	Is student learning evaluated in a summative assessment?					
	Yes No		□ Required/C □ Elective	ore	□ In Class/Didactic□ Self-Study/Online□ Simulation Labs□ Other:	☐ Yes ☐ No (for information only, or formative assessment)					
	Yes No		□ Required/C □ Elective	ore	☐ In Class/Didactic ☐ Self-Study/Online ☐ Simulation Labs ☐ Other:	☐ Yes ☐ No (for information only, or formative assessment)					
	Yes No		□ Required/C □ Elective	ore	☐ In Class/Didactic☐ Self-Study/Online☐ Simulation Labs	☐ Yes ☐ No (for information only, or formative assessment)					
	total	□ No □ Yes □ No □ Yes □ No I total hours of teaching time of Tr Taught in Program □ Yes □ No □ Yes □ No □ Yes □ No	□ Yes □ □ Yes □ □ No □ Tavel Medicine Taught in Program Course Name Pes No Yes No No No No No No No No No N	□ No □ Elective □ Yes □ Required/Core □ No □ Elective Required/Core Elective Required/Core Elective Elective Required/Core Elective Tavel Medicine Information/Reserved Taught in Program Yes □ Required/Core Requir	Yes	Yes					

Supplementary Table S2. Travel Medicine Curriculum Survey Results

Epidemiology.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Basic concepts	✓	✓	✓	✓	✓	✓	×	✓
Course	R	R	R	E	R	R		R
Teaching mode(s)	S	D, PBL	D	D	S	D, S		D
Assessment	SUM	SUM	FORM	SUM	SUM	SUM		SUM
Global distribution of disease	✓	*	✓	✓	✓	✓	*	✓
Course	R		R	E	R	R		R
Teaching mode(s)	D, S		D	D	S	D, S		D
Assessment	SUM		FORM	SUM	SUM	SUM		SUM
Teaching time (hours)	0.75	10 [†]	1	1	1	0.5	0	0.5

Immunology/Vaccinology.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Basic concepts and principles	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	S	D	D, S	D	S	D, S	D	S
Assessment	SUM							
Handling, storage, disposal of vaccines/supplies	✓	✓	✓	✓	✓	✓	*	*
Course	R	R	R	R	R	R		
Teaching mode(s)	S, L	D, S, L	D, L	S	D, S	D, S		
Assessment	SUM	SUM	SUM	SUM	SUM	SUM		

Routine Vaccines.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Bacille Calmette-Guérin	*	*	×	✓	×	✓	✓	*
Course				Е		R	R	
Teaching mode(s)				D		D, S	D	
Assessment				SUM		SUM	SUM	
Diphtheria, tetanus, pertussis	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	S	S	D, C, G	D	S	D, S	D	D
Assessment	SUM	FORM	SUM	SUM	SUM	SUM	SUM	SUM
Haemophilus influenzae type B	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	S	D, PBL	D, C, G	D	D, S	D, S	D	D
Assessment	SUM							
Influenza	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	D, S	D, PBL	D, C, G	D, L	D, S	D, S	D	D
Assessment	SUM							
Measles, mumps, rubella	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	S	S	D, C, G	D	S	D, S	D	D
Assessment	SUM	FORM	SUM	MISSING	SUM	SUM	SUM	SUM
Meningococcal	✓	✓	✓	✓	✓	✓	✓	✓
Course	R, E	R	R	R, E	R	R	R	R
Teaching mode(s)	S	D, PBL	D, C, G	D	D, S	D, S	D	D
Assessment	SUM, FORM	SUM						
Poliomyelitis	✓	×	✓	✓	×	✓	×	✓
Course	R		R	R, E		R		R
Teaching mode(s)	D, S		D, C, G	D		D, S		D
Assessment	SUM		SUM	SUM		SUM		SUM
Varicella	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	S	S	D, C, G	D, L	D, S	D, S	D	D
Assessment	SUM	FORM	SUM	SUM	SUM	SUM	SUM	SUM
Teaching time (hours)	4	6 *	2.5	4	1	2.5	3	1

Recommended Vaccines.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Human papillomavirus	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	D, S	D, PBL	D, C, G	D, L	D, S	D, S	D	D
Assessment	SUM							
Pneumococcal	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	R	R
Teaching mode(s)	D, S	D, PBL	D, C, G	D, L	D, S	D, S	D	D
Assessment	SUM							
Tetanus	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	E	R	R	R	R
Teaching mode(s)	S	S	D, C, G	D	S	D, S	MISSING	D
Assessment	SUM	FORM	SUM	SUM	SUM	SUM	MISSING	SUM
Herpes zoster	✓	✓	✓	✓	✓	✓	✓	✓
Course	R	R	R	R, E	R	R	Е	R
Teaching mode(s)	S	D, PBL	D, C, G	D, L	D, S	D, S	D	D
Assessment	SUM							
Teaching time (hours)	1.5	3*	2.5	1	0.5	0.5	2	1

Travel Vaccines.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Cholera	✓	×	✓	✓	✓	✓	×	✓
Course	R, E		R	R, E	R	R		R
Teaching mode(s)	D, S		D, S	D	D, S	D, S		D
Assessment	SUM, FORM		FORM	SUM	SUM	SUM		SUM

Hepatitis (A/B)	✓	✓	✓	✓	✓	✓	✓	✓
Course	R, E	R	R	R, E	R	R	R	R
Teaching mode(s)	D, S	D	D, S, C, G	D	D, S	D, S	D	D
Assessment	SUM, FORM	SUM	SUM	SUM	SUM	SUM	SUM	SUM
Japanese encephalitis	✓	×	✓	✓	×	✓	×	✓
Course	R, E		R	Е		R		R
Teaching mode(s)	D, S		D, S	D		D, S		D
Assessment	SUM, FORM		FORM	SUM		SUM		SUM
Rabies	✓	×	✓	✓	×	✓	×	×
Course	R, E		R	E		R		
Teaching mode(s)	S		D	D		D, S		
Assessment	SUM, FORM		FORM	SUM		SUM		
Tick-borne encephalitis	×	×	×	✓	×	×	×	✓
Course				E				R
Teaching mode(s)				D				D
Assessment				SUM		SUM		SUM
Typhoid	✓	×	✓	✓	✓	✓	×	✓
Course	R, E		R	R, E	R	R		R
Teaching mode(s)	D, S		D, S	D	D, S	D, S		D
Assessment	SUM, FORM		FORM	SUM	SUM	MISSING		SUM
Yellow fever	✓	×	✓	✓	✓	✓	MISSING	✓
Course	R, E		R	R, E	R	R	MISSING	R
Teaching mode(s)	S		D, S	D	D, S	D, S	MISSING	D
Assessment	SUM		FORM	SUM	SUM	SUM	MISSING	SUM
Teaching time (hours)	1	1.5	2	7	0.5	0.75	0.5	1

Pre-Travel Consultation.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Patient evaluation	✓	×	✓	✓	✓	✓	*	✓
Course	R		R	E	R	R		R
Teaching mode(s)	D, S		D, C	D	D	D, S, L		D
Assessment	SUM		SUM	SUM	SUM	SUM		SUM
Medical history	✓	✓	✓	✓	✓	✓	*	✓
Course	R	R	R	E	R	R		R
Teaching mode(s)	D, S	D	D, C	D	D	D, S, L		D
Assessment	SUM	SUM, FORM	SUM	SUM	SUM	SUM		SUM
Teaching time (hours)	1	0.5-1	0.5	2	0.25	2.5	0	MISSING

Special Populations.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Immigrants	×	×	×	✓	✓	×	×	×
Course				Е	R			
Teaching mode(s)				D	S			
Assessment				SUM	SUM			
Children	×	×	×	✓	✓	✓	×	✓
Course				R, E	R	R		R
Teaching mode(s)				D	S	D, S		D, L
Assessment				SUM	SUM	SUM		SUM
Pregnancy	✓	×	✓	✓	✓	✓	×	✓
Course	R		R	R, E	R	R		R
Teaching mode(s)	S		D, C	D	S	D, S		D
Assessment	SUM		SUM	SUM	SUM	SUM		SUM

Chronic disease	✓	*	√	✓	✓	✓	*	✓
Course	R		R	E	R	R		R
Teaching mode(s)	S		D, C	D	S	D, S		D
Assessment	SUM		SUM	SUM	SUM	SUM		SUM
Immunocompromised	✓	×	*	✓	✓	✓	*	×
Course	R			E	R	R		
Teaching mode(s)	S			D	S	D, S		
Assessment	SUM			SUM	SUM	SUM		
Visiting friends and relatives	✓	×	✓	✓	×	×	*	×
Course	R		R	E				
Teaching mode(s)	D		D	D				
Assessment	SUM		FORM	SUM				
Other	×	×	×	✓	×	✓	×	✓
Course				E		R, E		R
Teaching mode(s)				D		D, S		D
Assessment				SUM		SUM		SUM
Teaching time (hours)	1	0	0.5	6	1	0.5	0	1

Special Itineraries.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Hajj	✓	×	*	✓	*	*	×	×
Course	R			E				
Teaching mode(s)	D			D				
Assessment	SUM			SUM				
Other	×	×	*	✓	*	✓	×	×
Course				E		E		
Teaching mode(s)				D		D, S		
Assessment				SUM		SUM		
Teaching time (hours)	0.1	0	0	2	0	2	0	0

Diseases associated with vectors (including risk, prevention, signs/symptoms, complications, treatment).

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Lyme	×	✓	×	✓	✓	×	×	×
Course		R		Е	R			
Teaching mode(s)		D		D	D			
Assessment		SUM		SUM	SUM			
Malaria	✓	×	✓	✓	✓	✓	×	✓
Course	R, E		R	R, E	R	R		R
Teaching mode(s)	D		D, C	D, L	D	D, S		D
Assessment	SUM		SUM	SUM	SUM	SUM		SUM
West Nile	×	*	×	✓	×	×	×	✓
Course				E				R
Teaching mode(s)				D				D
Assessment				SUM				SUM
Yellow fever	✓	×	✓	✓	✓	×	×	×
Course	R, E		R	E	R			
Teaching mode(s)	D, S		D	D	D			
Assessment	SUM		FORM	SUM	SUM			
Zika	✓	*	✓	✓	✓	✓	×	×
Course	R, E		R	E	R	R		
Teaching mode(s)	D		D, C	D	D	L		
Assessment	SUM		SUM	SUM	SUM	SUM		
Other	✓	*	✓	✓	×	×	×	×
Course	R		R	E				
Teaching mode(s)	D		D	D				
Assessment	SUM		FORM	MISSING				
Personal protective measures	✓	✓	✓	✓	MISSING	✓	✓	✓
Course	R, E	MISSING	R	R, E	MISSING	R	R	R
Teaching mode(s)	D, S, L	MISSING	D, C	D, L	MISSING	D, S, L	D	D
Assessment	SUM	MISSING	SUM	SUM	MISSING	SUM	SUM	SUM
Teaching time (hours)	0.75	1	1.5	8	0.5	2	0.5	1

Diseases associated with person-to-person contact (including risk, prevention, signs/symptoms, complications, treatment).

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Sexually transmitted infections	✓	✓	✓	✓	✓	✓	✓	✓
Course	R, E	R	R	R, E	R	R, E	R	R
Teaching mode(s)	D, S	D, PBL	D, G	D	D	D, S, L	D	D
Assessment	SUM							
Tuberculosis	×	×	✓	✓	×	✓	MISSING	✓
Course			R	R, E		R	MISSING	R
Teaching mode(s)			D	D		D, S	MISSING	D
Assessment			SUM	SUM		SUM	MISSING	SUM
Teaching time (hours)	2	7.5*	5	1	0.5	10	6	6

Diseases associated with ingestion of food and water (including risk, prevention, signs/symptoms, complications, treatment).

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Cholera	✓	×	✓	✓	✓	✓	×	×
Course	R		R	E	R	R		
Teaching mode(s)	D		D	D	D	D, S		
Assessment	SUM		FORM	SUM	SUM	SUM		
Travellers' diarrhea	✓	✓	✓	✓	✓	✓	✓	✓
Course	R, E	R	R	R, E	R	R	R	R
Teaching mode(s)	D, S	D, PBL	D, C	D, L	D	D, S, L	D	D
Assessment	SUM	SUM	MISSING	SUM	SUM	SUM	SUM	SUM
Typhoid	✓	×	✓	✓	✓	×	×	×
Course	R		R	R, E	R			
Teaching mode(s)	D, S		D	D	D			
Assessment	SUM		FORM	MISSING	SUM			
Other	×	×	✓	✓	✓	✓	×	×
Course			R	E	R	R		
Teaching mode(s)			D	D	D	D, S		
Assessment	·		SUM	SUM	SUM	SUM		
Food and water precautions	✓	✓	✓	✓	✓	✓	✓	✓

Course	R	R	R	R, E	R	R	R	MISSING
Teaching mode(s)	S	D	D, C	L	D	D, S, L	D	MISSING
Assessment	SUM	SUM	SUM	SUM	SUM	SUM	SUM	MISSING
Teaching time (hours)	1	1-2*	1.5	3	0.5	3.5	MISSING	1

Diseases associated with bites and stings (including risk, prevention, signs/symptoms, complications, treatment).

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Rabies	✓	×	✓	✓	×	✓	*	×
Course	R		R	E		R		
Teaching mode(s)	S		D	D		L		
Assessment	SUM		SUM	SUM		SUM		
Other	✓	×	*	✓	×	*	*	×
Course	R, E			E				
Teaching mode(s)	D			D				
Assessment	SUM			SUM			_	_
Teaching time (hours)	0.25	0	0.25	3	0	0.5	0	0

Other Conditions Associated with Travel.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Barotrauma	×	*	×	✓	✓	×	✓	×
Course				E	R		R	
Teaching mode(s)				D	D		D	
Assessment				SUM	SUM		SUM	
Jet lag	✓	*	*	✓	*	✓	✓	*
Course	R			E		R	R	
Teaching mode(s)	D			D, L		L	D	
Assessment	SUM			SUM		SUM	SUM	
Motion sickness	✓	✓	✓	✓	✓	×	✓	✓
Course	Е	R	R	R, E	R		R	R
Teaching mode(s)	S, L	D	D	D, L	D		D	D
Assessment	SUM	SUM	SUM	SUM	SUM		SUM	SUM

Embolism/Thrombosis	✓	✓	✓	✓	×	✓	✓	✓
Course	R	R	R	Е		R	R	R
Teaching mode(s)	D	D, PBL	D	D		L	D	D
Assessment	SUM	SUM	SUM	SUM		SUM	SUM	SUM
Altitude sickness	✓	*	✓	✓	×	✓	×	✓
Course	R, E		R	R, E		R		R
Teaching mode(s)	D		D	D, L		D, S, L		D
Assessment	SUM		FORM	SUM		SUM		SUM
Frostbite and hypothermia	✓	*	×	✓	×	×	✓	×
Course	R			Е			R	
Teaching mode(s)	D			D			D	
Assessment	SUM			SUM			SUM	
Respiratory distress/failure	×	*	×	✓	×	×	MISSING	×
Course				Е			MISSING	
Teaching mode(s)				D			MISSING	
Assessment				SUM			MISSING	
Sunburn, heat exhaustion, sun stroke	✓	*	✓	✓	✓	✓	✓	✓
Course	R		R	Е	R	R	MISSING	R
Teaching mode(s)	D, S		D	D, L	D, L	D, S	MISSING	D
Assessment	SUM		MISSING	SUM	SUM	SUM	MISSING	SUM
Teaching time (hours)	3	8.5*	2	3	1	3	3.5	6

Travel Medicine Information/Resources.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Accessing health information for travellers	✓	✓	✓	✓	×	✓	×	✓
Course	R, E	R	R	E		R		R
Teaching mode(s)	D, S	D, S	D, G	D		D, S		D
Assessment	SUM	FORM	FORM	SUM		SUM		SUM
International health regulations	✓	×	×	✓	×	✓	×	✓
Course	R			E		Е		R
Teaching mode(s)	D			D		D, S		D
Assessment	SUM			SUM		SUM		SUM

National/regional recommendations	✓	✓	✓	✓	*	*	×	×
Course	R, E	R	R	Е				
Teaching mode(s)	D, S	D, S	D, G	D				
Assessment	SUM	SUM	FORM	SUM				
Teaching time (hours)	0.25	4-6	0.5	1	0	2.5	0	0.2

Total Teaching Time across All Topics.

	University 1	University 2	University 3	University 4	University 5	University 6	University 7	University 8
Teaching Time (hours)	16.6	43-46.5*	19.75	42	6.75	30.75	15.5	18.7

C = case discussions; D = didactic; E = elective; FORM = formative; G = small group activity; L = lab; PBL = problem-based learning; R = required; S = self-study; SUM = summative. † includes all therapeutic topics in curriculum; * excludes self-directed learning time.

Supplementary Table S3. Comparison of Scopes of Practice and Travel Medicine Curricula

Scope of Practice	University							
Scope of Fractice	1	2	3	4	5	6	7	8
		Preso	ribing					
Prescribe independently for any Schedule I drug	No	No	Yes	No	No	No	No	No
Prescribe in a collaborative practice setting/agreement	No	Yes	Yes	No	No	No	Yes	No
Malaria taught	Yes	No	Yes	Yes	Yes	Yes	No	Yes
Travellers' diarrhea taught	Yes							
Altitude sickness taught	Yes	No	Yes	Yes	No	Yes	No	Yes
		Immui	nizations					
Inject any drug or vaccine	No	No	Yes	Pending	Yes	Pending	Yes	Pending
Inject vaccines only	Yes	Yes	Yes	Yes	Yes	Pending	Yes	Pending
Inject influenza vaccine	Yes	Yes	Yes	Yes	Yes	Pending	Yes	Pending
Percentage of routine vaccinations taught (includes influenza)	88% (n = 7)	75% (n = 6)	88% (n = 7)	100% (n = 8)	75% (n = 6)	100% (n = 8)	88% (n = 7)	88% (n = 7)
Percentage of non-travel recommended vaccinations taught	100% (n = 4)							
Percentage of travel vaccines taught	86% (n = 6)	13% (n = 1)	86% (n = 6)	100% (n = 7)	57% (n = 4)	86% (n = 6)	0% (n = 0)	86% (n = 6)