

Multimedia Appendix 2: Infodemiology and Infoveillance: A Scoping Review

Table A1 consists of the topics and subtopics (#publications) in infodemiology and infoveillance (2009-2018), while Figure 1 consists of the respective subtopics' pie charts.

Table A1. Topics and subtopics in infodemiology and infoveillance (2009-2018).

Category	(%)	Topics	#	Category	(%)	Topics	#
Drugs	10.36%	Drugs (general)	(7)	Cancer	6.80%	Cancer (general)	(6)
		Drug Abuse/Misuse	(6)			Breast Cancer	(5)
		Cannabis/Marijuana	(5)			Skin Cancer	(2)
		Adverse Drug Reactions	(5)			Lung Cancer	(2)
		Illicit Drugs	(5)			Malignancies	(2)
		Pharmaceutical Drugs	(3)			Oncology	(1)
		Dabbing	(1)			Cervical Cancer	(1)
		Antibiotics	(1)			Colorectal Cancer	(1)
		Psychoactive Agents	(1)			Stomach cancer	(1)
Reformulated OxyContin	(1)	Gynecologic cancer	(1)				
						Alternative Medicines and Cancer	(1)
Conditions Diseases	17.16%	Diabetes	(8)	Epidemics Outbreaks	15.68%	Influenza	(27)
		Multiple Sclerosis	(6)			Zika	(5)
		Conditions/Diseases/Health general	(6)			Measles	(4)
		Epilepsy	(5)			dengue	(3)
		Lupus	(2)			H1N1	(2)
		Asthma	(2)			H7N9	(2)
		Lyme Disease	(2)			Norovirus	(2)
		Neurology	(2)			Mayaro virus	(1)
		Dementia	(2)			Ebola	(1)
		Stroke	(2)			West-Nile Virus	(1)
Pertussis	(2)	Rubella	(1)				
Various ¹	(19)	Cholera	(1)				
						Acute Diarrhea	(1)
Mental Health	8.28%	Depression	(8)	Mother Child	2.66%	Mass Casualty Incidents and Epidemic	(1)
		Suicide	(7)			Disease Outbreaks in Mass Gatherings	(1)
		Stress	(3)			Birth Stories	(1)
		Mental Health general	(3)			Abortion	(1)
		Schizophrenia	(2)			"Mommy Blogs" and the Vaccination	(1)
		Sleep issues	(1)			Perinatal Deaths	(1)
		Non-suicidal self-injury (NSSI)	(1)			Pregnant Women	(1)
		Mental disorders	(1)			Sudden Infant Death Syndrome	(1)
psychogenic nonepileptic seizures	(1)	Children's Pain and Sleep	(1)				
Cycling Mood Disorders	(1)	Cochrane Child Health	(1)				
						Common Cold Symptoms in Children	(1)
Infectious Diseases	7.99%	HIV/AIDS	(8)	Diet Fitness Obesity Lifestyle	4.14%	Fitness/Exercise	(5)
		HPV	(6)			Physical Activity	(3)
		STDs	(5)			Diet/Nutrition	(3)
		Syphilis	(2)			Obesity/Weight Loss	(2)
		Tuberculosis,	(2)	Lifestyle	(1)		
		Staphylococcus aureus (MRSA),	(1)	Health Care Hospitals/Patients	11.54%	Performance/Evaluation/Rating	(21)
		Herpes Zoster Vaccination	(1)			Dissemination/Integration	(18)
Infectious diseases	(1)	Radiation	(3)				
Meningitis	(1)			Obamacare	(2)		
				Ethics	(2)		
				(STAP) Cell Case	(2)		
Smoking Alcohol	8.58%	Smoking/Tobacco	(11)	Miscellaneous	9.76%	Various ²	(24)
		electronic cigarette/vaping	(10)				
		Hookah	(4)				
		Cigarettes/Cigars	(2)				
alcohol	(2)						

¹Autism spectrum disorders; antiphospholipid syndrome; Attention Deficit Hyperactivity Disorder; B12-related symptoms; Whiplash; Crohn's Disease; rheumatology; silicosis; Fibromyalgia; Heart Failure Self-Care Management; Hirschsprung's Disease; Hypertension; Inflammatory Bowel Disease; Lynch Syndrome; Migraine-Headache Suffering; movement disorders; Thyroid Hormone; Tinnitus; Parkinson

²Anticoagulation in the Periprocedural Period; workplace compassion; Foodborne Illness; Ironman Triathlon; New York Storm; Sandy Hook Shooting; Bed bug; Nuclear Cardiac Stress Testing; Chiropractic and Spinal Manipulation Therapy; Freshman College Experience; Organ Donation; Stem Cell Treatment; Transgender; sex-seeking MSM; Uterine Power Morcellation; Change in Pap Smear Guidelines; Telemedicine; mHealth; Virtual Reality in Health Care; health search behavior; Health Travelers; menopause; femicide/mortality rates

Figure A1: Pie charts of the individual subtopics of the identified health categories.

