

No	Category	What this category captures?	RAG Prompt	Non RAG Prompt	No of RAG concepts	No of Non-RAG concepts	Semantic Similarity RAG	Semantic Similarity Non-RAG
1	Climate Change and Disease Spread		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to climate change and the spread of diseases. Examples include: vector-borne transmission, temperature variability, altered mosquito habitats, pathogen survival, flooding-related infections, drought-induced respiratory illness, zoonotic spillover, humidity-driven transmission, heat-related outbreaks, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to climate change and the spread of diseases. Examples include: vector-borne transmission, temperature variability, altered mosquito habitats, pathogen survival, flooding-related infections, drought-induced respiratory illness, zoonotic spillover, humidity-driven transmission, heat-related outbreaks, etc.</p> <p>Only return a comma-separated list of environmental determinants of health-relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	53	30	0.5478	0.4512
2	Occupational and Industrial Exposures		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to occupational and industrial exposures. Examples include: asbestos inhalation, solvent vapors, metal fumes, silica dust, industrial noise exposure, pesticide handling, ergonomic strain, factory particulate exposure, chemical hazard monitoring, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to occupational and industrial exposures. Examples include: asbestos inhalation, solvent vapors, metal fumes, silica dust, industrial noise exposure, pesticide handling, ergonomic strain, factory particulate exposure, chemical hazard monitoring, etc.</p> <p>Only return a comma-separated list of environmental determinants of health-relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	41	94	0.6613	0.5167
3	Housing Conditions and Health		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to housing conditions and health. Examples include: damp housing, overcrowding, inadequate ventilation, indoor mold exposure, lead-based paint, structural deterioration, thermal discomfort, housing insulation, sanitation access, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to housing conditions and health. Examples include: damp housing, overcrowding, inadequate ventilation, indoor mold exposure, lead-based paint, structural deterioration, thermal discomfort, housing insulation, sanitation access, etc.</p> <p>Only return a comma-separated list of environmental determinants of health-relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	43	35	0.6163	0.5128
4	Vulnerable Populations		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to vulnerable populations in environmental health. Examples include: elderly exposure risk, child susceptibility, low-income housing exposure, immunocompromised individuals, prenatal environmental risk, occupationally at-risk groups, indigenous community exposure, gender-specific vulnerability, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to vulnerable populations in environmental health. Examples include: elderly exposure risk, child susceptibility, low-income housing exposure, immunocompromised individuals, prenatal environmental risk, occupationally at-risk groups, indigenous community exposure, gender-specific vulnerability, etc.</p> <p>Only return a comma-separated list of environmental determinants of health-relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	43	30	0.5484	0.5324
5	Neighbor and Community Environment		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to neighborhood and community environmental determinants. Examples include: green space accessibility, neighborhood pollution, noise levels, walkability, proximity to industrial zones, community heat islands, air quality variation, residential crowding, urban density, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to neighborhood and community environmental determinants. Examples include: green space accessibility, neighborhood pollution, noise levels, walkability, proximity to industrial zones, community heat islands, air quality variation, residential crowding, urban density, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	37	48	0.6146	0.5448
6	Biological Exposures		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to biological exposures. Examples include: viral exposure, bacterial contamination, pathogen transmission, allergen sensitivity, fungal spores, zoonotic spillover, vector bites, microbe imbalance, bioaerosol exposure, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to biological exposures. Examples include: viral exposure, bacterial contamination, pathogen transmission, allergen sensitivity, fungal spores, zoonotic spillover, vector bites, microbe imbalance, bioaerosol exposure, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	35	32	0.5558	0.5044
7	Chemical Exposures		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to chemical exposures. Examples include: PFAS contamination, pesticide residues, lead exposure, phthalate exposure, VOC emissions, heavy metal accumulation, dioxin toxicity, industrial solvent inhalation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to chemical exposures. Examples include: PFAS contamination, pesticide residues, lead exposure, phthalate exposure, VOC emissions, heavy metal accumulation, dioxin toxicity, industrial solvent inhalation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	22	40	0.6226	0.4891
8	Disasters and Emergency Preparedness		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to disasters and emergency preparedness. Examples include: flood response capacity, earthquake exposure, wildfire smoke inhalation, chemical spill, disaster resilience, heatwave preparedness, hurricane flooding, post-disaster sanitation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to disasters and emergency preparedness. Examples include: flood response capacity, earthquake exposure, wildfire smoke inhalation, chemical spill, disaster resilience, heatwave preparedness, hurricane flooding, post-disaster sanitation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	72	41	0.6026	0.4736
9	Emerging Contaminants and Microplastics		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to emerging contaminants and microplastics. Examples include: microplastic ingestion, nanoplastic particles, PFAS contamination, pharmaceutical residues, endocrine-disrupting compounds, wastewater effluent exposure, bioaccumulation, environmental persistence, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to emerging contaminants and microplastics. Examples include: microplastic ingestion, nanoplastic particles, PFAS contamination, pharmaceutical residues, endocrine-disrupting compounds, wastewater effluent exposure, bioaccumulation, environmental persistence, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	60	47	0.5509	0.5089
10	Mental Health and Psychosocial Stressors		<p>prompt = <code>{}{}</code></p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to mental health and psychosocial stressors. Examples include: noise-induced stress, environmental anxiety, heat-related aggression, crowding stress, pollution-related depression, green space restoration, sleep disturbance, disaster trauma, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: <code>{}{}{{text_block}}{}{}</code></p> <p>—</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to mental health and psychosocial stressors. Examples include: noise-induced stress, environmental anxiety, heat-related aggression, crowding stress, pollution-related depression, green space restoration, sleep disturbance, disaster trauma, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	21	31	0.3735	0.5082

11	Policy, Governance, and Risk Communication	<p>prompt = f'''</p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to policy, governance, and risk communication. Examples include: environmental regulation enforcement, air quality policy, risk communication strategy, disaster governance, environmental justice framework, exposure limit standards, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: '''%(text_block)'''</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to policy, governance, and risk communication. Examples include: environmental regulation enforcement, air quality policy, risk communication strategy, disaster governance, environmental justice framework, exposure limit standards, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	51	40	0.5217	0.5615
12	Transportation and Mobility Systems	<p>prompt = f'''</p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to transportation and mobility systems. Examples include: traffic-related air pollution, vehicle emissions, pedestrian exposure, noise pollution, active transport infrastructure, commuting distance, public transport ventilation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: '''%(text_block)'''</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to transportation and mobility systems. Examples include: traffic-related air pollution, vehicle emissions, pedestrian exposure, noise pollution, active transport infrastructure, commuting distance, public transport ventilation, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	41	94	0.6613	0.5167
13	Food Systems, Agriculture, and Nutrition Security	<p>prompt = f'''</p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to food systems, agriculture, and nutrition security. Examples include: pesticide exposure, contaminated crops, foodborne pathogens, nutritional deficiency, soil-to-food transfer, fertilizer runoff, agricultural emissions, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: '''%(text_block)'''</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to food systems, agriculture, and nutrition security. Examples include: pesticide exposure, contaminated crops, foodborne pathogens, nutritional deficiency, soil-to-food transfer, fertilizer runoff, agricultural emissions, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	71	30	0.5354	0.4976
14	Radiation and Electromagnetic Exposures	<p>prompt = f'''</p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to radiation and electromagnetic exposures. Examples include: UV radiation, ionizing radiation, radon exposure, X-ray exposure, microwave radiation, radiofrequency electromagnetic fields, nuclear fallout, cosmic ray exposure, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: '''%(text_block)'''</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to radiation and electromagnetic exposures. Examples include: UV radiation, ionizing radiation, radon exposure, X-ray exposure, microwave radiation, radiofrequency electromagnetic fields, nuclear fallout, cosmic ray exposure, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	14	40	0.5116	0.4428
15	Thermal Environment and Heat Stress	<p>prompt = f'''</p> <p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>From the following scientific text, extract a list of concise, unique concepts related to the thermal environment and heat stress. Examples include: heatwave exposure, occupational heat strain, thermal discomfort, dehydration risk, urban heat islands, cold stress, heat exhaustion, humidity-driven risk, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p> <p>Text: '''%(text_block)'''</p>	<p>You are a biomedical expert specializing in environmental determinants of health (EnDOH).</p> <p>Generate a diverse list of concise, unique concepts related to the thermal environment and heat stress. Examples include: heatwave exposure, occupational heat strain, thermal discomfort, dehydration risk, urban heat islands, cold stress, heat exhaustion, humidity-driven risk, etc.</p> <p>Only return a comma-separated list of environmental determinants of health relevant concept names. Exclude social, behavioral, or economic terms and skip all explanations.</p>	42	52	0.5183	0.436
				43.066666667	45.6	0.56280666667	0.49978