

## Supplementary Materials

**Table S1:** Structure of the questionnaire

3 words or expressions arising to you when you read 3 Environmental health (Followed by WHO 's definition of Environmental Health)					
1.					
2.					
3.					
Q1 to Q25: See table 2 of the manuscript	1 = fully disagree	2 = partially disagree	3 = does not know	4 = rather agree	5 = strongly agree
Q 26: According to you among these propositions, which one(s) are potential source of lead exposure? (multiple choice question)					
Some traditional make-up (Kohl eye-liner)	Tap water	Own grown fruits and vegetables	Some paints	Some toys	
Q 27: According to you among these propositions, which one(s) are potential source of exposure to endocrine disruptors (multiple choice question)					
Natural cleaning products (Black soap, Marseille's soap	Some toys	Some cosmetic and hygiene products	Food glass containers		
Q 28: (Open question) According to you what are the dominant environmental issues in you geographic area of practice					
Q 29: In your professional daily practice, do you feel concerned by environmental issues?					
1 = not	2 = not really	3 = mildly	4 = rather	5 = fully concerned	
Q 30: Do you feel the necessity to inform your patients regarding environmental health issues?					
1 = not	2 = not really	3 = mildly	4 = rather	5 = fully concerned	
Q 31: Do you face difficulties to inform your patients regarding environmental health issues					
1 = never	2 = seldom	3 = sometime	4 = often	5 = always	
Q 32: (Open question) According to you what are the reasons you are facing difficulties to inform patients?					
Q 33: Are you facing difficulties to refer patients to experts?					
1 = never	2 = seldom	3 = sometime	4 = often	5 = always	
Q 34: How would you evaluate your knowledge in Environmental health?					
1 = null	2 = poor	3 = average	4 = good	5 = excellent	
Q 35: Would you be interested in a professional training in Environmental Health in the field of perinatology and fertility					
1 = not	2 = not really	3 = mildly	4 = rather	5 = fully interested	
Socio-demographic questions					
Age					
Sex					
Professional postal code					
Profession					
Year of qualification					
Length of service					
Environmental Health initial training					
Environmental Health secondary training					
Mean of information on the subject			If YES which one?		

**Table S2:** Size and list of occupation represented in the questionnaire survey

Occupation	n= 843
Midwife	346
Nursery nurse	93
Pediatrician	74
Obstetrician	74
General Practitioner	46
Nurse	42
Nursery nurse assistant	34
Social worker	21
Gynecologist	21
Family home visitor	21
Nursery director	17
Nutritionist	12
Psychologist	13
Health care manager	3
Endocrinologist	3
Medical secretary	2
Speech therapist	2
Nursing assistant	2
Pediatric psychiatrist	3
Chaplain	2
Teacher	2
Anesthesiologist	2
Physiotherapist	2
Administrative assistant	1
Radiologist	1
Geneticist	1
Housing health advisor	1
Biologist	1

**Table S3: Representation of Environmental health: content thematic analysis (1/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 1:</b> Toxic agents and environmental health risks	613 (68)	Pollution	553 (73.9)	Pollution(s), pollutants, impact of pollution, air quality pollution, air quality, atmospheric pollution, fine particles, water pollution, water quality, Earth
		Toxicants in food	262 (42.7)	Pesticides, food quality, food products, nutrition, healthy food, food contamination, unhealthy diet, food additives, organic, local agriculture, genetically modified micro-organisms
		Endocrine Disruptors	120 (19.6)	Endocrine disruptors, disrupting agents, endocrine inducers, hormonal disruptors
		Physical and chemical agents	36 (6.4)	Chemistry, chemicals, bisphenol, parabens, asbestos, phthalate, heavy metals, lead, gasoil, perfumes, solvents, paints and varnishes, medication
		Addiction	21 (3.4)	Tobacco, smocking, passive smoking, drugs and toxics
		Noise	15 (2.4)	Noise, noise nuisance, noise pollution
		Household and Everyday objects	14 (2.3)	Plastics, daily products, furniture, aerosol
		Waves	13 (2.1)	Waves, Wi-Fi, micro-waves
		Stress	10 (1.6)	Stress, work related stress
		Cosmetics and hygiene products	9 (1.5)	Hygiene products, cosmetics, beauty products, baby care products
		Waste	7 (1.1)	Wastes
		House cleaning products	6 (1)	Cleaning agents, deteratives, household products
		Light	3 (0.5)	Light, light pollution

<sup>a</sup> with respect to the number of HPs participant to the survey, <sup>b</sup> with respect to the number of HPs who cited this sub-theme

**Table S3: Representation of Environmental health: content thematic analysis (2/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 2:</b> Collective means of action (society and communities)	293 (32.5)	Act for earth protection and respect for the environment	163 (55.6)	Protection, protect, environmental compliance, respect, respect for the environment, welfare, caring, ecology, green, sustainable development, renewable energy, energy saving, waste recycling, zero waste,
		Develop prevention, inform and raise awareness of the public	131 (44.7)	Prevention, anticipation, information, raise awareness, vaccination campaign, screening, health promotion, health education, therapeutic patient education
		Patient care proposition	19 (6.5)	Care, care project, care pathway, care, listening, support
		Young age education	12 (4.1)	Education, school
		Promotion of specialized health care establishment	11 (3.8)	Hospitals, Mother Infant Care Centres, medico-social centres, health care centres, medical facilities, medical home visit
		Coordinate and facilitate health professionals collaboration	7 (2.4)	Social and medical networks, multidisciplinary care, team working, inter- professionals collaboration
		Organization of training courses	3 (1)	Training, conferences, scientific meetings
		Promote medical research	2 (0.7)	Research
		Care management recommendation writing	1 (0.3)	Recommendation for health professionals

<sup>a</sup> with respect to the number of HPs participants to the survey, <sup>b</sup> with respect to the number of HPs who cited this sub-theme

**Table S3: Representation of Environmental health: content thematic analysis (3/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 3:</b> Individual means of action	73 (8.1)	Healthy way of life	35 (47.9)	Menstrual cups, reusable nappies, environmental friendly products, healthy and safe products, chose natural materials, modification of comportments, good practices, consume differently
		Physical activity	22 (15.1)	Physical activity, sport, physical exercise promotion
		Precautionary principle	6 (8.2)	Precautionary principle, caution
		Ventilate premises	4 (5.5)	Ventilate, provide better indoor quality
<b>Theme 4:</b> Important issue, for today and for the future	94 (10.4)	A long-term issue	34 (36.2)	Future, future generation, issue for the future, an absolute necessity for human being, In the long run
		A big issue	30 (31.9)	Important, essential, key focus, vital, compulsory, emergency, risk, warning, to by studied, disaster
		Environment perceived as a health threat	21 (22.3)	Epidemic, disease outbreak, contamination, contagion, infection, viruses, parasites, poison, poisoning, intoxication
		Current issue	9 (9.6)	Current issue, topical subject, fashionable issue
		challenge	8 (8.5)	Powerlessness, a lot to be done, hard, challenging, lack of means of action, fight
<b>Theme 5:</b> adverse consequences of the environment on human health	89 (9.9)	Pathologies	32 (36)	Pathologies, diseases, syndrome, obesity
		Cancers	28 (31.5)	Cancers
		Allergies	24 (27)	Allergies, allergens
		Reprotoxicity	22 (4.7)	Reprotoxic, reprotoxicity, fertility, infertility, reproductive health, preconception

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**Table S3: Representation of Environmental health: content thematic analysis (4/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 6:</b> Environmental health more than absence of disease	164 (18.2)	Wellbeing	87 (53)	Wellbeing
		Quality of life	44 (26.8)	Quality of life
		Better life	21 (12.8)	Everyday comfort, to live better, harmony, good balance, to be in good shape, living healthy and happy, pleasure, serenity, beauty, relaxation
		Social support	16 (9.8)	Acquaintance, social support
		Feeling secure	14 (8.5)	safety
<b>Theme 7:</b> Impact of socio-demographic factors in environmental health	101 (11.2)	Living condition	46 (45.5)	Daily life, life circumstances, everyday lives, lifestyle, way of life, everyday comfort, daily habits, living space, living environment
		Housing	27 (26.7)	Accommodation, housing, house, home
		Socio-economic disparities	22 (21.8)	Socio-economic inequality, social background, precariousness, poverty, social circumstances
		Working environment	12 (11.9)	Working environment, workplace, professional dimension
		Access to the care system	2 (2)	Access to healthcare
<b>Theme 8:</b> Collective responsibility	56 (6.2)	A public health issue	24 (42.9)	Public health
		A responsible and collective issue	20 (35.7)	Everyone's responsibility, responsible health concept, collective awareness, solidarity, altruism, collective action, civism
		All concerned	15 (26.8)	All concerned, general interest, universality, everybody impacted, general public
<b>Theme 9:</b> Places at risk of toxic exposure	44 (4.9)	Houses	27 (61.4)	Houses, accommodation, home
		Working place	12 (27.3)	Working place, working environment
		Urban and industrial areas	5 (11.4)	Industry, toxic exposures from the industry, cities

**Table S3: Representation of Environmental health: content thematic analysis (5/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 10:</b> perinatal health a gateway to develop environmental health	12 (1.3)	perinatal health a gateway to develop environmental health	12 (100)	Epigenetics, pregnancy, fetal impregnation, breastfeeding
		environmental health and general health relation	64 (38.6)	Health, good health, “A healthy spirit in a healthy body”, healthy, healthy environment
		Nature and health relation	54 (32.5)	Nature, forest, plants, trees, mountain, country side, sun, see side, world, Earth
<b>Theme 11:</b> definition of environmental health	166 (18.4)	Impact of environment on health	30 (18.2)	Impact (or consequences) of environment on health
		A large field	8 (4.8)	Global, huge
		Human adaptation to the environment	8 (4.8)	Adaptation to the environment, ergonomics, adaptation to the evolution of the society, conflictual relationship with the evolving society
		Environment: everything around us	5 (3)	Environment: everything around us
		Health and environment not dissociable	4 (2.4)	Environment dependency, goes hand in hand
		No definition	4 (2.4)	What is it? No idea, it's nothing

<sup>a</sup> with respect to the number of HPs participant to the survey, <sup>b</sup> with respect to the number of HPs who cited this sub-theme

**Table S3: Representation of Environmental health: content thematic analysis (6/6)**

Theme	Number of response Frequency n (%) <sup>a</sup>	Sub-theme	Frequency n (%) <sup>b</sup>	Qualitative data
<b>Theme 12:</b> Move toward action for environmental health	23 (2.5)	Under estimated issue	10 (43.5)	inadequately assessed, not done enough in term of scientific research, social denial, inaction, not enough prevention, unawareness, not taken into account (in health care), a problem marginalized, lack of knowledge
		Toward an improvement	7 (30.4)	Evolution, how to improve, reflection, progress, a new paradigm
		Raise awareness	3 (13)	Awareness
		commitment	3 (13)	Investment, commitment
<b>Theme 13:</b> other political issues in environmental health	24 (2.7)	Economical and commercial issues	8 (33.3)	Economy, economic issues, economic interests, financial profits, commercial interests, health economy, health costs
		Political and economic choices	6 (25)	Politics, political issues, public authorities, stakeholders
		Public authorities transparency	6 (25)	Public authorities ignorance, politically correct, hypocrisy, transparency, honesty, hoax
		Lobbying	5 (20.8)	Lobbying, influence, industrial lobbies
<b>Theme 14:</b> Mode of exposure	12 (1.3)	Inhalation	11 (91.7)	Breath, breathing, inhalation
		Skin contact	1 (8.3)	Contact with the skin
<b>Theme 15:</b> Environmental damage	14 (1.6)	Environmental degradation	14 (100)	Mundialization, climate change, urbanism, deforestation
<b>Theme 16:</b> Anthropocentric appreciation	39 (4.3)	A human issue Centered on mankind	39 (100)	Human, mankind, children, newborns, family, parents, population(s)
<b>Theme 17:</b> Refer to WHO	4 (0.4)	Refer to WHO	4 (100)	WHO

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