**Table S1.** Conceptual model of HL and indicators reported in ecological studies/reports/documents by area.

A—Antecedents.

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| **Level** | **Area** | **Sub-area** | **Indicators** |
| Personal determinants (proximal factors) | Demographic | Age | Median age [20] |
| Population by age [23,24] |
| Birth rate [23] |
| Fertility rate [23] |
| Population projections [23] |
| Gender | Women (%) [18] |
| Gender distribution [24] |
| Race/ethnicity/ethnic composition of the community | Foreign-born population [28] |
| Competences | Literacy | Adult literacy rate, % of population [19] |
| Education level | School enrollment (%), tertiary [19,24] |
| Mean years of schooling [20] |
| Prevalence of persons age 18 years currently in school [21] |
| Population by 4 ISCE (International Standard Classification of Education) education classes [23] |
| Age-standardised percentage of people aged 25–64 with less than tertiary (university-level) education, by gender [25] |
| Life-long learning [38] |
| Operational competences | - |
| Interactive competences | - |
| Autonomous competences | - |
| Informational competences | - |
| Contextual competences | - |
| Cultural competencies | - |
| Media use | %population that use the Internet at least ones a week [27] |
| Peer and parent influences | - |
| Reading and arithmetical skills | Reading achievement (average reading performance for 15-year-old students) [26] |
| Socioeconomic | Occupation | Population by occupational class, by ISCO (International Standard Classification of Occupations) groups [23] |
| Employment status | Unemployment, % of male labor force [19] |
| Labor force participation rate [20] |
| Unemployment rate [21] |
| Total employment rate 15-64 [23] |
| Total employment [23] |
| Unemployment rates by duration [25] |
| Income | Gross Domestic Product (GDP) based on purchasing power parity [18,25] |
| Gross Domestic Product [19,27] |
| Gross National Income [20] |
| Multidimensional Poverty Index [20] |
| Age-standardised percentage of people aged 25 and over by severity of material deprivation [25] |
| Difficulties experienced in paying bills [25] |
| Net disposable income, purchasing power standard based on final consumption per inhabitant [25] |
| Income discrepancy | Gini coefficient [19,20,25] |
| % population with income below 60% national median [25] |
| Slope index of inequality [25] |
| Relative index of inequality [25] |
| Health | Disease severity | - |
| Health status | UNAIDS (United Nations Programme on HIV/AIDS) global HIV indicators [17] |
| Homicide rate [20] |
| Healthy Life Years expectancy at birth stratified by sex [21,25] |
| Incidence rate of type 1 diabetes amongst children ≤ 14 years of age [22] |
| Death rates from infectious and parasitic diseases, age-standardized [22] |
| Death rates from respiratory infections, age-standardized [22] |
| Bacterial antibiotic susceptibility [22] |
| Life expectancy at various ages [23] |
| Life expectancy of men and women [25] |
| Infant mortality [23,25] |
| Perinatal mortality [23] |
| Standardised death rate, Eurostat 65 causes, age 0-65 [23] |
| Standardised death rate, Eurostat 65 causes, age 65+ [23] |
| Smoking-related deaths [23] |
| Alcohol-related deaths [23] |
| Drug-related deaths [23] |
| Incidence/prevalence of HIV/AIDS [23] |
| Incidence/prevalence of lung cancer [23] |
| Incidence/prevalence of breast cancer [23] |
| Incidence/prevalence of diabetes [23] |
| Incidence/prevalence of Dementia/Alzheimer [23] |
| Incidence/prevalence of depression [23] |
| Incidence of Acute myocardial infarction [23] |
| Incidence of Stroke [23] |
| Prevalence of COPD (chronic obstructive pulmonary disease) [23] |
| Low birth weight [23] |
| Suicide attempt/death rate [23] |
| Perceived general health, age-standardised percentages of the population aged 16–84 with self-perceived health problems [23,24] |
| Injury rates by intent and sector, to include road traffic, workplace, home/leisure, suicide attempt, other violence [23] |
| Prevalence of any chronic illness or condition [23] |
| General musculoskeletal pain [23] |
| Psychological distress [23] |
| Difference in life expectancy at birth between EU Member States |
| and the EU average, by gender [25] |
| Euro Health Consumer Index—Outcomes sub-disciplines [35] |
| Health-related experience | - |
| Personal competences such as vision, hearing, verbal ability, memory and reasoning | Limitations in seeing, hearing, mobility, speaking, biting, agility [23] |
| Cognitive abilities | Incidence/prevalence of Dementia/Alzheimer [23] |
| Physical abilities | Limitations of usual activities, past 6 months, health-related [23] |
| Healthcare | Health coverage | Insurance coverage [23] |
| Physicians employed [23] |
| Nurses employed [23] |
| National Cancer Screening program [31] |
| Health system | Physicians employed, rate [23,24] |
| Nurses employed, rate [23,24] |
| Midwives employed, rate [24] |
| MRI units, CT (computed tomography) scans [23] |
| Waiting lists, for elective surgeries: PTCA (percutaneous transluminal coronary angioplasty), hip replacement, cataract operation [23] |
| Surgical wound infections [23] |
| Stage at cancer diagnosis [23] |
| Cancer survival rates; breast, cervix [23] |
| Nephropathy in diabetics: end-stage renal failure [23] |
| Number of general hospital beds per 100,000 inhabitants [24] |
| Euro Patient Empowerment Index [32] |
| Communication and assessment skills of people with whom individuals interact for health | - |
| Complexity and difficulty of the printed and spoken messages in the healthcare environment | - |
| Policy | Health promotion actions (education, social mobilization, advocacy) | Tobacco Control Scale [18,29] |
| Tobacco control policies, score considering seven policies [21] |
| Ability of the media, the marketplace, and governmental agencies to provide health information in an appropriate manner | - |
| Social support | Expenditure on social protection (% of GDP) [25] |
| Education system | Years of compulsory education [30] |
| Situational determinants (distal factors) | Social, environmental and political forces | Paved roads, % of the total road [19] |
| Pump price for gasoline [19] |
| Urban population, % of total population [19,20] |
| Internet access and broadband internet connections in households [36] |

B—Consequences.

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| **Level** | **Sub-area** | **Area** | **Indicators** |
| Individual | Capacity to act independently on knowledge | Empowerment | Consumer Empowerment Index [33] |
| Motivation and self-confidence | Empowerment |
| Individual resilience | Empowerment |
| Ability to apply information to novel situations | Empowerment |
| Ability to participate in public and private dialogues about health, medicine, scientific knowledge and cultural beliefs | Participation  /Empowerment |
| Self-efficacy | Empowerment |
| Attitudes | Empowerment |
| Health knowledge (risk, diseases and treatments) | Empowerment | % Individuals (16–74) using the internet for seeking health information [34] |
| Health behaviors | Health behaviors | Smoking prevalence/rate [18,19,21,23]  The proportion of occasional smokers on the total number of current smokers [18,21,23]  Smoking rate Heaviness of Smoking Index [18,23]  Prevalence of e-cigarette users [21]  Percentage of 15-year-old males who smoke weekly and males aged 15 and over who smoke every day [25]  Obesity, % of population [19]  Percentage of 15-year-olds who were overweight/obese [25]  Body mass index [23]  Insufficient active, % of population [19]  Mean fasting blood glucose [19]  Mean systolic blood pressure [19,23]  Alcohol, total per capital consumption [19,20,23]  Western diet [19]  Teenage pregnancies [23]  Pregnant women smoking [23]  Alcohol: % of heavy drinkers, frequency of heavy drinking [23]  Use of illicit drugs [23] |
| Self-management skills/ability to care | Empowerment | - |
| Medical or medication treatment errors | Health behaviors | - |
| Compliance | Health behaviors | - |
| Health outcome | Health status/Health outcomes | UNAIDS (United Nations Programme on HIV/AIDS) global HIV indicators [17]  Homicide rate [20]  Healthy Life Years expectancy at birth stratified by sex [21,25]  Incidence rate of type 1 diabetes amongst children ≤ 14 years of age [22]  Death rates from infectious and parasitic diseases, age-standardized [22]  Death rates from respiratory infections, age-standardized [22]  Bacterial antibiotic susceptibility [22]  Life expectancy at various ages [23]  Life expectancy of men and women [25]  Infant mortality [23,25]  Perinatal mortality [23]  Standardised death rate, Eurostat 65 causes, age 0–65 [23]  Standardised death rate, Eurostat 65 causes, age 65+ [23]  Smoking-related deaths [23]  Alcohol-related deaths [23]  Drug-related deaths [23]  Incidence/prevalence of HIV/AIDS [23]  Incidence/prevalence of lung cancer [23]  Incidence/prevalence of breast cancer [23]  Incidence/prevalence of diabetes [23]  Incidence/prevalence of Dementia/Alzheimer [23]  Incidence/prevalence of depression[23]  Incidence of Acute myocardial infarction[23]  Incidence of Stroke[23]  Prevalence of COPD(chronic obstructive pulmonary disease) [23]  Low birth weight[23]  Suicide attempt [23]  Perceived general health, age-standardised percentages of the population aged 16–84 with self-perceived health problems [23,24]  Injury rates by intent and sector, to include road traffic, workplace, home/leisure, suicide attempt, other violence[23]  Prevalence of any chronic illness or condition[23]  General musculoskeletal pain[23]  Psychological distress[23]  Difference in life expectancy at birth between EU Member States and the EU average, by gender[25]  Euro Health Consumer Index- Outcomes sub-disciplines [32] |
| Hospitalization | Health services use | Average length of stay, limited diagnoses [23]  Hospital discharges, limited diagnoses [23]  Surgeries: PTCA (percutaneous transluminal coronary angioplasty), hip replacement, cataract operation [23] |
| Emergency care | Health services use |  |
| Healthcare costs | Health costs  /Sustainability | Health expenditure, % of the total expenditure [19,20]  Total public/private expenditures of health [23,35]  Private expenditures of health (% health expenditure) [23,35] |
| Use of healthcare services | Health services use | General practitioner utilization [23]  Outpatient visits [23]  Medicine use, selected items [23] |
| Patients/provider interactions | Participation |  |
| Healthcare access | Health services use/Equity | Self-reported unmet need for medical examination or Treatment [21] |
| Prevention/health promotion behaviors | Health behaviour | Condom use coverage [17]  Intake of fruit excluding juice [23]  Intake of vegetables [23]  Physical activity, time spent, energy expenditure [23]  Breastfeeding at various ages [23]  Vaccination coverage in children [23] |
| Screening behaviors | Health behaviour /Participation | Cancer screening coverage [23] |
| Improved capacity to influence social norms and interact with social groups | Empowerment/Equity | Individuals using the internet for interacting with public authorities [36] |
| Improved capacity to act on social and economic determinants of health | Empowerment/Equity | - |
| Community/  social | Social injustice | Equity/ Sustainability | Robbery rates [20]  Self-reported assault [20]  Assault rates [20]  Human Development Index (HDI) [37] |