

Index

- abortion laws, 33, 39
Abuela, Mamá y Yo (AMY)
 project, 211
academic recognition, 9
Acheson report, 50
Acheson, Donald, 50, 73
Ackerman, S.L., 254
action research, 207
adverse childhood experiences
 (ACEs)
 exposure to
 and SED, 135–137
 narratives of, 261–263
 research on, 221
Adverse Childhood Experiences
 scale, 168
affective states, 295
agonism, 333
Ainsworth, Mary, 232
Albert the Great, 18
Ali ibn Sahl Rabban
 al-Tabari, 21
Al-Kindi, 17
Almond, D., 92, 93
Al-Qurtubi, 20
al-Rāzī, 20
American Society for
 Nutrition, 76
antenatal lifestyle
 interventions, 75
Anthropocene, 324–325
 DOHaD framework in
 rethinking, 325–331
anthropogenic biologies
 and DOHaD framework, 325
 future of, 334–335
anthropology
 and biosocial approaches, 231
 and early life, 233
 early 20th century, 58
antidepressants, 295
Aquinas, Thomas, 18
Arabin, Birgit, 107, 108
Arīb ibn Sad, 21
Aristotle, 20, 60
artificial intelligence (AI),
 284–285, *See also*
 Big Data
 ethical questions, 285–286
 interpretation and
 reporting, 285
Atkinson, Judy, 168
attachment theory, 222, 232
autism/autism spectrum
 disorder (ASD), 281
 dimensional approach to,
 305
 and intersection of
 disability, DOHaD
 and epigenetics, 303
 social construction of,
 303–304
autistic people
 and epigenetics research,
 300
 terminology, 300–301
autonomy
 and fetal life, 32–34, 36
 and legal orthodoxy,
 124–125
 and restrictions for women,
 98–99
Avicenna, 20
Avon Longitudinal Study of
 Parents and
 Children, 236, 282
Ayurveda, 22
Ballantyne, John William, 30
Banati, P., 137
Barker hypothesis, 48, 107
Barker, David, 3, 6, 36, 44,
 45–46, 49–50, 51, 71
 Mothers, babies and disease
 in later life, 50
Barry, Andrew, 9, 325
Baschat, Ahmet Alexander,
 107, 108
Basic IMH Screen (BIMHS),
 224
Beauchamp, E., 123
Béhague, D.P., 246
behaviour change
 and pragmatism, 110–111
 behavioural continuities, 133
behavioural interventions, 242
behavioural resilience, 290
Benezra, Amber, 275
Berg, A., 224
Big Data, 279, 282–283
 and causal crypticity, 159
 ethical questions, 285–286
 limitations of current
 sources and
 applications,
 283–284
binary thinking, 61, 64
biocultural, 6
bioethnography, 174, 175, 255
 background of, 175–177
 challenges, 181
 and causal mechanisms,
 180–181
 and nutrition, 177–180
bioinequality, 125–126
biological embedding, 133–135
biomarkers
 and disability, 305–306
biopolitics, 69, 75, 76, 81, 83
 gendered, 75
 and pathologisation, 169–170
biopower, 75
biosocial approaches
 and anthropology, 231
 to embodiment, 149,
 151–152
biosocial becomings, 6
Biosocial Birth Cohort
 Research (BBCR)
 network, 237
biosocial collaboration, 241,
 242, 246
biosocial perspectives on
 race, 57
biosocial, the
 challenges, 8–9
 promises, 5–8
 turn to, 2
birth cohort studies, 280, 282,
 See also Biosocial
 Birth Cohort
 Research network
 and concepts of early life,
 235–236
birthweight paradox, 280
Black
 as term, 93

- Black feminist theory, 85
 Black report, 70
 Black, Robert, 267
 Black, Sir Douglas, 49
 Blakemore, Colin, 44
 bodies, *See also* embodiment
 embedded, 6
 idea of three, 149
 individual and of nation, 83
 reproductive
 regulation of, 122–124
 Born, Georgina, 9, 325, 331
 Bowlby, John, 232
 Boyce, W.T., 134
 British Commonwealth, 52
 Brown Weiss, Edith, 118
 Buddhist relational logics, 269
 Buddhist theories of causality,
 271
 Butler, T.L., 315
- Callard, F., 10
 Cannon, G., 76
 capital, *See also* human capital
 theory
 language of, 99
 maternal, 92, 99
 care
 antenatal, 76, 77
 cradles of, 222
 giving, role of, 231,
 232–234, 235
 maternal, 86, 133, 167, 171,
 221, 222, 259–261
 nurturing, 189, 219, 223,
 224, 227
 obligations toward future
 persons, 119
 pre-conception, 123, 199,
 242
 trauma-informed, 170
 causal crypticity, 155–156, 157
 and Big Data, 159
 and DOHaD science,
 161–162
 and postgenomic science,
 159–161
 as epistemic style, 157–158
 as promissory mode, 158–159
 causal interdependence
 ‘fishbone’ model of, 270
 and malnutrition, 270–271
 Lancet model of, 268
 CDC-Kaiser ACE Study, 262
 Cerdeña, J., 168, 170
Charkra Samhita, 22
- Chaudhary, N., 222
 Chen, E., 260, 261
 Chick, Harriette, 73
 child and youth mental health,
 219
 child development
 biosocial understanding of,
 231
 concepts of, 233–235
 impact on research,
 235–236
 as effect of collective
 wellbeing, 269
 querying causal origins of,
 271
 Chinese medicine, 22
 and fetal education, 22–23
 Clair, S., 141
 cohort studies, 317, *See also*
 birth cohort studies
 co-laboration, 255, 331
 collaboration
 biosocial, 241, 242,
 246
 concept of, 246
 ecosocial, 331–334
 interdisciplinary
 recommendations for,
 254–256
 collaborative networks
 case studies, 195–202
 collider bias, 280
 Collins Jr, J., 151
 colonial science, 263
 colonialism, *See also* settler-
 colonialism
 and Indigenous ill-health,
 313–314
 colonisation, 61
 and health, 313
 and intergenerational
 trauma, 168
 communication
 effective, 108
 of research findings,
 258–265
 community participation, 58
 community-based participatory
 research (CBPR),
 207–209
 general principles, 209
 in DOHaD field, 209–212,
 216
 case study in Cook
 Islands, 212–216
 future for, 216
- complex environments
 in DOHaD research,
 251–253
 obstacles for DOHaD
 research, 253–254
 confidentiality, 307
 confounding, 280
 Confucianism, 23
 Conti, G., 92
 continuity, 133
 Cook, W.K., 208
 Corburn, J., 208
 COVID-19 pandemic, 142
 and maternal prenatal
 stress, 162
 cradles of care, 222
 Crawford, Kate, 286
 Crenshaw, Kimberlé, 304
 critical disability theory, 125,
 301
 critical gender analysis
 of DOHaD, 83, 84, 87
 critical periods
 notion of, 32
 critical political economy,
 94
 critical race theory, 85
 cross-disciplinary research
 initiatives, 237
 crypticity, 156–157, *See also*
 causal crypticity
 Csordas, Thomas, 148,
 149
 cumulative continuity, 133
 cumulative risk, 132
 factors
 chronic exposure to, 136
 Currie, J., 92, 99
- Dalakleidi, K., 284
 damage-centred research, 64
 data, *See also* Big Data
 in DOHaD research,
 281–282
 Indigenous rights to,
 315–317
 missing, 282
 data security, 283
 David, R., 151
 Davis, Angela, 260
 Davis, Fania, 260
 Dawes, Geoffrey, 45
 Dawkins, Richard, 35
 Day, Jeremy, 293, 294
 de Xivry, J.J.O., 281
 Deane, Phyllis, 95

- decolonisation, 314
 and epidemiology, 312
- degeneration
 concern about, 61
- dehumanization
 of women, 98–99
- Del Savio, L., 123
- Deleuze, Gilles, 327
- Descartes, René
 theory of dualism, 148
- determinants of health
 intergenerational, 57
 social and structural, 97–98
- development, *See also* ontogeny
 child, 231, 233–236, 269, 271
- dirty chicken hypothesis, 269, 272–275
- fishbone model of, 269, 270
- human, 7, 32, 46, 117, 131, 219, 222, 225, 249
- longitudinal, 131–132, 133, 137–138
- notion of, 3, 327
- developmental programming, 3
- devolved solutions
 in DOHaD advocacy, 190
- diabetes
 gestational, 72
 impact on communities of color, 86
- Diderot, Denis
Éléments de physiologie, 30
- diet, 37, *See also* eating and nutrition; nutrition; women's diets in pregnancy
- dietary transition
 narratives of, 263
- diethylstilboestrol (DES), 122
- differential susceptibility, 134–135
- dimensional approach
 to origins of autism, 305
- directed acyclic graphs (DAG), 280
- disability
 and biomarkers, 305–306
 mapping onto DOHaD and epigenetics, 302–303
 models of, 301–302
 and multiple stakeholder perspectives, 307–308
 in research, 302
- disability communities
 recommendations for engagement with, 308
- disability studies, 301
- disability-adjusted life year (DALY), 305
- disease aetiology
 research on, 71
- Doci, F., 122
- DOHaD
 advocacy
 challenge to, 185–191
 framings
 competing, 201–202
networks
case studies, 195–202
overview, 197
 ambiguities and difficulties
 of translating into policy, 106–111
 and social determinants of health, 97–98
 common frames of, 195
 critical gender analysis of, 83, 84, 87
 definitions, 2
 evolution over last 20 years, 3–5, 185–186
 framework
 and anthropogenic biologies, 325, 334–335
 gender and racism
 intersections in, 81–88
 history (1989–2003), 44–53
 in economic research, 92–95
 intervention studies, 246
 modelling
 current challenges, 279–281
 moral paradox of, 103–113
 narratives
 choreographing, 258–265
 position in 2024, 5
 racial and gender politics of, 83
 recommendations for reframing, 202–204
 research
 and AI technologies/big data, 286
- and complex environments, 251–253
 and data, 281–282
 and environmental epigenetics, 250–251
 community-based participatory, 207–216
 embodiment approach in, 152–153
 hyper-responsibilization critique of, 104–105
 individualized models in, 87
 and intergenerational trauma, 170–171
 methods
 importance of clear terminology and data quality, 281–282
 for people with disabilities
 ethical, legal and social implications, 306–307
- Societies
 regional, 4
- Donald, Ian, 33
- Dorji, Tandi, 271
- Dörner, Günther, 37
- DTC epigenetic testing, 306
- dualism
 theory of, 148
- Dubow, Sara, 38
- Duden, Barbara, 39
- Dupras, C., 123
- Dutch famine studies, 156, 157
- dynamic systems approaches, 137
- early life
 in anthropology, 232–233
 concepts of, 233–235
 impact on research, 235–236
 conceptualisations of, 231
 early-life adversity (ELA)
 focus on, 86
- Eastern medical traditions, 21
- eating and nutrition
 bioethnographic approach to, 177–180

- ecologies
 contaminated, 273–274
- economic growth
 optimization of, 96
- economic orthodoxy
 and reproduction, 95–96
- economic research
 and DOHaD, 92–95
- economics
 feminist, 94
 heterodox, 91, 93–94, 100
 orthodox vs. egalitarian
 approaches, 91–92
- economistic thought, 96
- ecosocial collaboration,
 331–334
- egalitarianism
 in economics and DOHaD,
 96–100
- Eisen, J., 121, 125
- electronic health records
 (EHRs), 279, 282
- ELEMENT (Early Life
 Exposures in Mexico
 to Environmental
 Toxicants), 175–176,
 177
- Ellis, B.J., 134
- embedded bodies, 6
- embodiment, 148–149
 approaches to, 149–150
 case studies, 150–152
 for epidemiology, 150
 as tool in DOHaD research,
 152–153
- Enlightenment, the, 61
- ENRICH research team
 and Cree First Nations
 community,
 210–211
- environment(s), 326, 329, *See*
also complex
 environments
 concept of, 249–250
 conceptualisation of, 250
 doing, 250, 255–256
 early life, 134, 220–222, 225,
 226–227
 epistemic, 74
 maternal-fetal, 36–38
 power of, 59–61
 social, 5, 7, 77, 109, 167,
 251
- environmental determinism, 57
- environmental effects
 negative and positive, 61
- environmental epigenetics, 4,
 249, 326–328
 and DOHaD research,
 250–251
 and race, 62–63
 and subordination-service
 interdisciplinarity,
 332
- environmental law
 and epigenetics, 121–122
- environmental reproductive
 justice (ERJ), 85
- epidemics
 synergies of, 142
- epidemiological cohort
 studies, 5
- epidemiology
 decolonising, 312
- epigenetic code
 in central nervous system,
 293
- epigenetic editing, 296,
 297
- epigenetic states, 292, 293
 indeterminacy of, 298
- epigenetic tests
 direct-to-consumer (DTC),
 306
- epigenetics, 4, 37, 117–118
 changes, 119
 DNA methylation
 (DNAm), 62, 294
 changes in, 296
 DOHaD's entrance into, 47
 environmental, 4, 249,
 326–328
 and DOHaD research,
 250–251
 and race, 62–63
 and subordination-
 service
 interdisciplinarity,
 332
- of maternal care
 narratives of, 259–261
- of memory formation,
 293–295
- neuroepigenetics, 290
- nutritional, 38
 and the law, 120–126
 environmental, 121–122
 research, 290
 and people with autism,
 300
- in social-science
 scholarship, 250–251
- narratives of persistence
 and reversibility in,
 291–292
- reframing for people with
 disabilities, 305–308
- studies
 reporting of, 38
- tests
 development of, 123–124
 and transgenerational
 inheritance, 169
 and trauma, 168–169
- epigenomics, 4
- episodic memory, 293, 294
- epistemic environment, 75
- Eppel, Nicholas, 1
- essentialism, 97
 premodern, 59
- ethics
 in Australian human
 research, 316
 of Big Data and AI, 285–286
 of DOHaD research,
 306–307
 of stewardship, 104
- ethnography, 175
- eugenics, 29, 49, 58, 59
- Eurocentrism, 232
- evidence brokerage, 187
- evidence synthesis, 187
- evolution
 theory of, 35
- evolutionary biology, 3, 28–29,
 35–36
- 'evo-devo', 37
- evolutionary psychology, 35
- experimental biology, 29
- expert evidence
 and epigenetic narratives,
 120–121
- exposed biologies, 6
- Fabric of Aboriginal and
 Torres Strait
 Islander Wellbeing
 model, 314
- famine, 31, 143, 168, *See also*
 Dutch Famine
 studies
- father-as-sperm, 105
- feminist disability studies,
 125
- feminist economics, 94

- feminist science studies, 7, 83,
See also feminist STS
- feminist STS, 70, *See also*
 feminist science studies
- feminization, 94
- Féré, Charles, 32
- fetal development
 and maternal-fetal relationship, 31–32
- fetal education
 in Ayurveda, 22
 in Chinese and Japanese medicine, 22–23
 in Eastern medical traditions, 21
 in India, 24
- fetal exposure
 and maternal environment, 36–38
- fetal images
 use of, 33
- fetal medicine, 33
- fetal origins of adult health, 267
- fetal personhood, 99
- fetal surgery, 33
- fetus
 autonomous, 32–34, 36
 medical and legal status of, 38
 as parasite, 29–31
 selfish, 34–36
- Ficino, Marsilio, 19
- Fineman, M.A.
 model of universal vulnerability, 125
- First 1000 Days, 1
- first 1000 days agenda, 269
- First World War, 73
- fishbone modelling, 269–272
- 'fishbone'
 model of causal interdependence, 270
 modelling, 269
- Fitzgerald, D., 10
- Fitzpatrick, E.F., 208
- folic acid supplementation, 73
- food industry, 76
- Forester, Terrence, 52
- Foucault, Michel, 69, 75, 83
- frames
 of DOHaD, 195
- framing, *See also* reframing
 concept of, 194
 external, 196
 in DOHaD health advocacy, 201–202
 internal, 196
- future generations
 rights of, 118–120
- Galen, 18
- Galton, Francis, 49
- Garbh Sanskar*, *See* fetal education
- Garland-Thomson, Rosemarie, 118, 125
- Garvey, G., 314
- Gassendi, Pierre, 19
- gender
 division of labour, 95
 inequities, 98–100
 pay gaps, 100
 and racism
 intersections in DOHaD science, 81–88
- gendered biopolitics, 75
- gendering
 of biological knowledge, 18
- genes
 selfish, 35
- genetic determinism, 58–59
- genomic imprinting, 35
- genomics
 rise of, 47
- gestational diabetes, 72
- gestational hypertension, 36
- Ginsburg, F., 82
- global health policy
 entrance of DOHaD into, 52
- global history, 23
- Global South
 human studies in, 51
 narratives of dietary transition in, 263
- globality, 330
- globalization, 45, 51
- Gluckman, Peter, 3, 4, 110, 263
- Golden 1000 Days, 269–270, 272
- Gomeroy gaaynggal programme, 210
- government policy (UK), 49–50
- Graham, Hilary, 50
- Gravlee, Clarence, 7
- green spaces
 in DOHaD research, 252
- Green, J., 221
- gross domestic product (GDP)
 exclusion of unpaid work from, 95
 gendered calculation
 method of, 95
- Gross National Happiness (GNH), 269
- Guattari, Félix, 327
- habitability
 politics of, 325
- Haig, David, 35
- Hales, Nicholas, 51
- Handbook of Biology and Society, 6
- Hanson, Mark, 3, 4, 46, 110, 263
- Haraway, Donna, 6
- Hardon, Anita, 10
- harm
 assertions of, 125
- health
 and colonisation, 212, 313
 child and adolescent, 185–186
 economic metrics, 305
 inequalities, 45
 and relationships between gender and racism, 88
 and social class, 49–50, 52
 intergenerational origins of, 107
 justice, 7
 life-course approach to, 132–133
 literacy, 108, 109
 maternal-child, 107, 151–152, 198
 planetary, 325, 332
 and racism, 86–88, 97, 151–152, 258, 264
 social determinants of, 97–98
 and social inequalities, 70–71
 and social policy
 limited uptake of DOHaD in, 5
 and wellbeing
 Indigenous definitions of, 314–315

- Healthy Life Trajectories Initiative (HeLTI), 5, 241, 242
 Bukhali
 HeLTI - South Africa, 243–246
 Heckman, James, 186
 hegemonic nutrition, 69, 72, 74, 75
 Heller, Elizabeth, 296
 hereditarianism, 29, 30, 36
 heredity
 concept of, 29
 Herman, J.P., 136
 Hertzman, C., 133
 Hippocrates, 19
 On Airs, Waters and Places, 60
 Hippocratic texts, 18
 Hird, Myra, 328
 Hoke, M.K., 312, 319
 hormones, 32
 placental, 36
 stress, 38
 human capital theory, 92, 94
 Human Genome Project, 36, 47
 human medicine, 47
 human microbiome, 328
 humorism, 19
 humours, 60
 hyper-responsibilization, 104–105, 112
 Hytten, Frank, 34–35

 Ibn Sina, 20
 imagination
 power of, 17–18, 19
 impressionable biologies, 6
 Indigenous cohort studies, 317, *See also* Mayi Kuwayu
 Indigenous Contemporary Trauma (ICT), 319
 Indigenous Data Governance (IDG), 312, 316
 Indigenous Data Sovereignty (IDS), 312, 316
 Indigenous definitions
 of health and wellbeing, 314–315
 Indigenous Historical Trauma (IHT), 318
 Indigenous ill-health
 and colonialism, 168–170, 313–314

 Indigenous lifeworlds
 centring of, 320
 and DOHaD, 319
 in epidemiology, 312
 Indigenous rights
 to data, 315–317
 individual body, 149
 and of nation, 83
 individualising
 tendency in DOHaD
 research, 104, 170
 inequality, 7, 59, 97, 125, 174, 225, 226
 gender, 144
 health, 5
 racial, 151, 152
 social, 10, 61, 120, 145
 structural, 259
 Infant Mental Health (IMH)
 contexts, 222–224
 developing comprehensive approaches to, 225–226
 in clinical setting, 224–225
 exposure and resilience, 221–222
 role of fathers, 223–224
 and wellbeing, 219–221
 infant wellbeing
 supporting, 226–227
 Ingold, Tim, 327
 Institute of Nutrition of Central America and Panama (INCAP), 272
 institutional economics, 94
 instrumentalization
 of women and girls, 98–100
 insulin growth factor 2 (IGF2) system, 36
 integration-synthesis
 interdisciplinarity, 331, 332–333
 interdependence
 across causal domains, 270–271
 concept of, 272
 interdependent origination, *See tendrel*
 interdisciplinarity, 4, 8, 10, 44, 52
 modes of, 331–332
 agonism-antagonism, 333–334
 integration-synthesis, 332–333
 subordination-service, 332
 need for, 76–77
 and nutrition, 272–273
 promises and challenges of, 45–49
 interdisciplinary collaboration
 recommendations for, 254–256
 intergenerational
 determinants of health, 57
 health inequalities
 origins of, 107
 justice
 call for, 119
 nutrition, 71
 trauma, 166–168, 170
 and DOHaD research, 170–171
 non-Western theories of, 169
 International DOHaD Society, 3
 intersectionality, 81, 85, 87–88, 94, 304
 intervention studies, 5
 intervention trials
 pragmatic and adaptive designs in, 246
 interventions
 behavioural, 242
 biopolitical deployment of, 75–76
 individual
 in neoliberal policy
 climate, 260
 lifestyle
 antenatal, 75
 preconception, 242
 and public health policy, 107
 Ishikawa, Kaoru, 270
 Islam
 medical views in, 20–21
 Israel, B.A., 208

 Jacob, C.M., 199
 Japanese medicine
 and fetal education, 22–23
 Joly, Y., 123
 Journal of DOHaD, 4
 Jowell, Tessa, 50
 justice
 environmental reproductive (ERJ), 85
 health, 7

- justice (cont.)
 intergenerational, 119
 reproductive (RJ), 69
 framework, 84, 199
 restorative, 262
 social, 58, 69, 84, 186, 189,
 195, 201, 203, 208,
 259, 265
- Kafer, Alison, 125
 Kavapalu, Helen, 234
 Keaney, Jaya, 7
 Keller, H., 222
 Kelly, M.P., 74
 Kim, Andrew, 151, 168
 kinship
 assumptions about,
 222–223
 Kneeland, Hildegaard, 95
 Knorr-Cetina, K., 8
 knowledge translation (KT),
 109
 Kowal, Emma, 121
 Krieger, Nancy, 119, 148, 150,
 151, 152
- La Spezia Conference (1989),
 45–46
- labour
 reproductive, 91, 95
 low perceived value of,
 99–100
 as term, 96
 Lancet model of causal
 interdependence,
 268
 Landecker, Hannah, 235, 250,
 276, 332, 333
 Lappé, M., 86–87, 235
 late liberalism, 87
 Latour, Bruno, 6, 329, 330
 law, 117–118. *See also* tort law
 relational model of, 125
 Lawler, Debbie, 157
 legal orthodoxy
 and autonomous individual
 (s), 124–125
 legal persons
 and rights of future
 generations,
 118–120
 Lewis, Kurt, 207
 life-course
 approach
 to health, 132–133
 health research
 limitations and future
 directions, 137–138
 theory, 131–132
 Liggins, Graham, 36
 Liley, William, 33, 34
 lines of flight, 327–328
 Linnaean system of
 classification, 58
 Liu Xiang, 23
 liveability, 325
 more-than-human, 331, 335
 Livy, 60
 Lock, Margaret, 149
 Loi, M., 123
 Lopez, M., 136
 Lucas, Alan, 51
- machine learning (ML),
 284–285
Mahabharata, 22
 Maimonides, Moses, 20
 Makin, T.R., 281
 Malek, E., 224
 malnutrition, 267
 and contaminated ecologies,
 274
 modelling causes of,
 270–271
 Manderson, L., 150
 Marmot, Michael, 50
 maternal and child
 undernutrition
 policy actions on, 267–276
 maternal behaviour during
 pregnancy
 scrutinizing of, 38
 maternal capital, 92, 99
 maternal care
 epigenetics
 narratives of, 259–261
 maternal environment
 and fetal exposure, 36–38
 maternal impression(s), 17,
 37, 39
 abandoning of concept, 29,
 30
 in Biblical, Talmudic and
 Arabic
 commentaries, 19–21
 in early modern Europe,
 18–19
 in Greco-Roman and
 medieval medicine,
 17–18
 maternal nutrition
 narratives of, 263
- maternal, newborn and child
 health (MNCH),
 196. *See also* health:
 maternal-child
 and climate crisis, 198
 maternal–fetal relationship,
 28, 29, 38–39
 autonomous fetus, concept
 of, 32–34
 and fetal development,
 31–32
 parasitic fetus, concept of,
 29–31
 selfish fetus, concept of,
 34–36
 Maubray, John
 The Female Physician, 19
 Mayekiso, Andile, 224
 Mayi Kuwayu, 317–318, 320
 and DOHaD, 318–319
 McCance, Robert, 31, 37, 74
 McDade, T., 312, 319
 McKeown, Thomas, 49
 McKerracher, Luseadra, 109,
 110
 Mead, Margaret, 232, 234
 measurement errors, 281
 medical model of disability,
 301, 307
 Medicine Wheel, 314
 Meijer, M., 136
 Melgaard, Bjorn, 271
 Mellanby, Edward, 73
 Meloni, Maurizio, 6, 121
 memory
 episodic, 293, 294
 formation
 epigenetics of, 293–295
 molecular, 291, 293
 Mendelism, 58
 Mendelian randomisation, 5
 Mendenhall, Emily, 142
 mental health. *See also* Infant
 Mental Health
 (IMH)
 in children and young
 people, 219
 methionine, 332
 methylation, 63. *See also*
 epigenetics:DNA
 methylation
 levels, 63
 microbiome research, 328–329
 micronutrients
 emphasis on, 72
 militarism, 69

- Millennium Cohort Study, 236
 missing data, 282
 Mód, Margaret, 95
 mode 2, 76
 modern synthesis, 35
 Mol, Annemarie, 10
 molecular memory, 291, 293
 molecular resilience, 290–291
 Montaigne, Michel de, 19
 mother/fetus dyad, 7
 Mouffe, Chantal, 333
 Muslim medical views
 in Middle Ages, 20–21
 Musolino, C.M., 148
 Mutendi, Mutsawashe, 151
- Namura Jōhaku, 23
 narrative choreographies,
 258–259
 recommendations, 263–265
 nature-culture hybrids, 6
 naturecultures, 6
 NEAR Science trainings
 narrative choreography of,
 261–263
 Nedelsky, Jennifer, 125
 neoliberalism, 69, 124
 Nestler, Eric, 296
 Neubauer, Cajetan, 332
 neurobiological research, 252
 neurobiological susceptibility,
 135
 neurodiversity, 301
 New Labour government
 (UK), 50, 52
 Nilsson, Lennart, 32
 Non, A.L., 64
 non-communicable diseases
 (NCDs), 4
 non-participatory research
 studies
 criticisms of, 208
 nutrients
 profiling of, 72
 nutrition, 37
 and bioethnography, 177–180
 and biomedical model, 70
 as interdisciplinary science,
 272–273
 hegemonic, 69, 72, 74, 75
 identifying as cause of poor
 health, 72–73
 intergenerational, 71
 interventions
 biopolitical deployment
 of, 75–76
 maternal
 narratives of, 263
 research
 history of, 73–75
 treachery of, 72–73
 nutritional transition, 51, *See*
 also dietary
 transition
 nutritionism, 72
- O’Connell, Karen, 125
 Oakley, Ann, 34–35
 obesity
 in children, 72
 different approaches needed
 for, 73
 framing of, 200, 201, 202
 gendered stigma for, 104
 impact on communities of
 color, 86
 and ‘metabolic ghettos’, 76
 narratives of, 263
 prevention
 individualized responses
 to, 77
 obligation of care
 towards future persons,
 119
 obstetric racism, 88
 occupational segregation, 93
 ontogeny, 268, *See also*
 development
 interdependent, 269,
 275–276
 origins
 notion of, 326–327
 orthodox economic thought,
 91
 outcome variables, 92
- Paracelsus, 19
 parasitology, 30
 Paré, Ambroise
 Des monstres et prodiges,
 19
 parent-offspring conflict
 concept applied to
 development and
 pregnancy, 35
 Trivers’ model of, 35
 Paro, Renato, 290, 291–292,
 297, 298
 participatory research, 302
 paternal factors
 on infant wellbeing,
 223–224
 pathologisation
 and biopolitics, 169–170
 pathologising, 259, 261, 265
 pathways, 132
 patriarchal culture, 144
 pedagogy, 9
 peer review, 9
 Pem, Deki, 270, 271, 275
 Penkler, Michael, 7, 8, 74, 113,
 209, 251
 Penrose, Lionel
 Colchester Survey, 49
 Pentecost, Michelle, 232
 persistence
 in epigenetics research,
 291–292
 personhood, 118
 phenomenological approach
 to embodiment, 149
 phenotypes, 58
 Phuntsho, Karma, 272
 Pinel, C., 254
 Pinker, Steven, 35
 planetarity, *See also* health:
 planetary
 notion of, 330
 planetary boundaries, 324,
 329–331
 policy cycle, 187
 policy-making
 brokerage, 187
 role of scientists in, 186–189
 translation, 86, 106, 107,
 109, 111, 137, 169,
 194, 195, 200,
 224–225, 241, 283
 political body, 149
 political economy approach to
 embodiment, 149,
 150–151
 politics of reproduction, 82,
 83, 84
 positioning, 196
 postgenomic turn, 6
 postgenomics, 7, 58
 and reinstantiation of race,
 58
 and reproduction
 politics of, 85
 science
 and causal crypticity,
 159–161
 and treatments of race
 fostering balanced
 approach in, 64–65
 Poston, Lucilla, 4, 110

- post-traumatic stress disorder (PTSD), 168
- pragmatism
and behaviour change, 110–111
- pre-conception
as term, 200
interventions, 242
- Preconception Partnership,
See UK
Preconception
Partnership
- prediction models, 284
- pre-eugenic thinking
in Biblical and Talmudic
tradition, 19–20
- pregnancy, *See also* maternal-
fetal relationship
DOHaD's focus on, 82
- premodern body
as permeable and porous
entity, 17
- premodern essentialism,
59
- prenatal culturism, 30
- problem definition, 196
- process-based approaches,
327–328
- productivism, 95
- proto-racism, 58, 59
- psychotherapy, 295
- publication culture
in life sciences, 254
- Pune Maternal Nutrition
Study, 52
- Puura, K., 224
- qi*, 22
- quality-adjusted life year
(QALY), 305
- quantification
moral economy of, 254
- queering reproduction, 85
- Rabinow, Paul, 6
- race
biosocial perspectives on, 7,
57
and environmental
epigenetics, 62–63
postgenomic reinstantiation
of, 58
postgenomic treatments of,
64–65
- racial and gender politics
of DOHaD, 83
- racial inferiority
premodern ideas of, 59
- racialization
based on environment,
59–61
as biosocial process, 7
- racism, 313
and gender
intersections in DOHaD
science, 81–88
and health, 86–88, 97,
151–152, 258, 264
history of, 59–61
obstetric, 88
systemic, 86, 87, 260
- racist environments
and maternal health
outcomes, 86
- Rapp, Rayna, 82, 84
- reciprocal continuity, 133
- reductionism, 58, 69, 72, 174
- reflexivity, 108, 112, 255
- reframing
recommendations for,
202–204
- relational model
of law, 125
- reproduction
biopolitics of, 75
Black, Brown, and
Indigenous, 83
and economic orthodoxy,
95–96
medicalization of, 84
and men's contributions, 83
politics of, 82, 83, 84
queering, 85
social, 96
stratified, 84
as 'woman's issue', 82
- reproductive 'freedom', 84
- reproductive bodies
regulation of, 122–124
- reproductive economy, 91
- reproductive justice (RJ), 69
framework, 84, 199
- reproductive labour, 91, 95
low perceived value of,
99–100
- reproductive politics, 85
- research funding culture, 9
- resilience
concept of, 290
and exposure
in IMH, 221–222
molecular, 290–291
- restorative justice, 262
- reverse Barker hypothesis, 107
- reversibility, 65
experiments in, 295–297
in epigenetics research,
291–292
in neuroepigenetics, 290
- Reynolds, P., 232
- Richardson, Sarah, 123, 156,
195, 258
- rickets, 73
- Ringrose, Leonie, 290,
291–292, 297, 298
- risk
concept of, 290
cumulative, 132
in 21st century, 85
- Roberts, A.L., 123
- Roberts, Dorothy, 58
- Robertson, A., 124
- Rose, Geoffrey, 49
- Roseboom, Tessa, 158
- Ross, Fiona, 1, 150, 232
- Rothstein, M.A., 121
- Russo, F., 74
- Sacred Hoop, 314
- Salimi, Y., 208
- Salmon, M., 315
- Sameroff, A., 133
- SAVA syndemic framework,
142
- Scaling Up Nutrition (SUN),
269
- Scheper-Hughes, Nancy, 149
science and technology studies
(STS), 70
- scientists
and policy-makers, 188–189
- Scott, D.N., 121
- Scrimshaw, Nevin, 272, 275
- Scrinis, G., 72
- scurvy, 73
- Second World Congress on
Fetal Origins of
Adult Disease, 44
- Second World War, 31, 73
self
in Western modern
thought, 328
- selfish fetus, 34–36
- settler-colonialism
as health risk factor, 313
- sexism
as determinant of health, 97
- Sharp, Gemma, 157

- Shore, Stephen, 306
- Silberman, Steven
Neurotribes, 301
- Singer, Judy, 301
- Singer, Merrill, 141, 142
- SisterSong collective, 84
- situated biologies, 6
- Slykerman, R.F., 123
- social attachment, 224
- social body, 149
- social class
and health inequalities,
49–50, 52
- social determinants of health
and DOHaD, 97–98
- social economics, 94
- social inequalities
in health, 70–71
- social justice framing
of DOHaD, 195
- social medicine, 49
- social model of disability, 301
- social structures, 92, 94, 97, 98,
100
social determinants of
health (SDH), 97–98
- Society for the Developmental
Origins of Health
and Disease, 44
- Society for the Protection of
the Unborn
Children (SPUC),
34
- sociobiology, 6, 35
- socioeconomic disadvantage
(SED)
and exposure to ACEs,
135–137
- Solomons, Noel, 272–275
- Sontag, Lester, 31, 32
- Soranus
Gynecology, 18
- Southampton Women's
Survey (SWS), 48
- Spivak, Gayatri, 330
- stakeholders
as term, 307
- standardisation, 69
- State, the
and wellbeing of future
generations, 120
- Stavrianakis, Anthony, 246
- Stein, Zena, 37
- stigma, 64, 65, 104, 125, 300,
302, 308, *See also*
pathologising
- Stolen Generations, 313
- Stone, Richard, 95
- storytelling, 258, 264
- stratification economics, 94
- stratified reproduction, 84
and DOHaD theories,
84
- stress, 37
in DOHaD research,
252–253
neurobiological
mechanisms of, 136
- stress hormones, 38
- structural inequalities, 94
- Stupka, E., 123
- subordination-service
interdisciplinarity,
331, 332
- Sullivan, Shannon, 7
- Sure Start programme, 50
- surveillance, 85
- Susser, Mervyn, 37
- Sustainable Development
Goals (SDGs),
185–186
- Sweatt, David, 293, 294
- symbiogenesis, 328
- syndemics
theory, 141, 145
history of, 141–143
thinking
and DOHaD studies,
143–145
rules of, 142
- systemic racism, 86, 87, 260
- systems thinking, 329–330,
334
- Szyf, Moshe, 296
- Tacitus, 60
Taijiao, *See* fetal education
Taikyō, *See* fetal education
- telemedicine, 283
- tendrel*, 269
interventions, 271–272
- teratology, 30, 32
- terminology
in autism studies, 300–301
- thermography, 1
- tort law
and epigenetics, 122
- transgenerational
as term in DOHaD field,
167
- transgenerational trauma
and epigenetics, 168–169
- trauma, 169, *See also*
Indigenous
Historical Trauma,
See also Indigenous
Contemporary
Trauma
intergenerational, 166–168
prevalence of, 291
transgenerational
and epigenetics, 168–169
- Trivers, Robert L., 35
- Tuck, Eve, 64, 314
- typological models
predominance of, 61
- typological thinking, 58
- typologies
hierarchical, 58
- Uexküll, Jakob Johann von, 329
- UK government policy, 49–50
- UK Preconception
Partnership, 196,
198–201, 203
overview, 197
- Ulrich-Lai, Y.M., 136
- ultrasound technology, 33
- undernutrition, 267
maternal, 31
and child, 267–276
potential risk factors for,
270
- unequal treatment
bodily effects of, 125
- United Nations Declaration
on the Rights of
Indigenous Peoples
(UNDRIP), 316
- universal body
assumption of, 334
- universalism, 174
- unpaid work
exclusion from GDP, 95
- Valdez, Natali, 74, 82, 251, 275
Weighing the Future, 84,
85–86
- value
gendered definition of, 95
- Van Wichelen, Sonja, 7
- Vegetius, 60
- Venice Forum, 196–198
overview, 197
- victim attenuation, 122
- vulnerability
universal
model, 125

- Wagenmakers, E.J., 281
 Walter, Maggie, 315
 Wan, M.W., 221
 Warin, Megan, 48, 104, 121, 123, 251
 Weismann, August, 29
 wellbeing
 of future generations and the State, 120
 and IMH, 219–221
 understanding of, 223
 Wells, J., 76
 Western, Educated, Industrialized, Rich and Democratic (WEIRD) societies, 222
 white supremacist imagination, 83
 Widdowson, Elsie, 31–32, 37, 74
 Winston, Robert, 44
 women
 autonomy
 restrictions on, 98–99
 historical erasure of, 91
 unpaid work by, 95
 women and girls
 instrumentalization of, 98–100
 women's diets in pregnancy, 71
 women-as-mothers, 99–100
 World Health Organization (WHO)
 Health for All, 50
 World War I, *See* First World War
 World War II, *See* Second World War
 x-rays, 33
 Yadid, Gal, 296
 Yajnik, Chittaranjan, 52
 Yang, K.W., 314
 Yates-Doerr, Emily, 150–151
 Yin and Yang, 22
 Zeanah Jr, C.H., 222
 Zeanah, P.D., 222
 Zheng, T., 285