

Index

A

accountability
 and voice, 186
Alcmaeon of Croton, 69
Ambroise Paré, 97
anatomy, 86, 156
Anatomy' of Public Health, 158
Andreas Vesalius, 97, 145
Antonio Benivieni, 97
Artificial intelligence, 239
assimilation and adaptation
 of concepts, 286
at-risk/not-at-risk, 22
 binary distinction, 22
autopoiesis, 36, 148, 150, 215
autopoietic, 96, 263, 270
autopsy, 72, 148, 216
Averroes, 78
Avicenna, 78
avoided DALYs, 175
awareness of gender issues, 187

B

barbers, 223
Bartolomeo da Varignana
 first autopsy, 79
Bichat, 98
binary code, 36, 50, 52, 104, 220,
 225, 226, 228, 280, 303
 at-risk/not-at-risk, 184
 healthy/sick, 159
binary distinction, 139, 159
 at risk/not-at-risk, 158
biochemistry, 86
biological/social
 distinction, 284
blind spot, 267
blind spots, 265
Bloodletting, 70
bloodletting, 98
body, 275, 277
 as object of observation, 212
 as symbolic medium, 46, 274
Boissier, 97

- borrowing
 - concepts, 287, 291
- boundaries, 90, 95, 219
- burden of diseases, 165
- C**
- calculation of risks, 289
- Canguilhem, 96, 135
- causal
 - factors, 285
 - links, 92
 - plausibility, 285
 - relations, 91
- causality
 - dual order (biological and social), 287
- causality relations, 285
- cells, 92
- Chadwick, 224
- charlatan, 213
- charlatans, 82, 223
- Church, 77, 79, 86
- classification of diseases, 119
- closure, 107, 149, 256, *see*
 - operational closure
 - of medical semantics, 261
- Colleges of Surgeons, 100
- communication-based system, 163
- communications, 33, 44, 96
 - and meanings, 248
 - as lifeblood of systems, 251
 - meaningful, 33
- complexities, 72, 83, 108, 110, 275
 - and meaning, 164
 - as attractors, 268
 - increasing/decreasing, 270
 - of risk structures, 198
 - of self-reference, 219
 - of the environment, 164
 - reduction, 161
- complexity*, 37, 40, 84, 109, 205, 208, 275
 - and meanings, 39
 - elements and relations, 91
 - not empirical object, 251
 - reduction, 40
- complexity reduction*, 74, 147
- connecting side
 - of distinctions, 260
- Constantine the African, 82
- contingency, 38
- contingent
 - narratives, 262
- cost-effectiveness, 169, 175
- costs, 102
- coupling, 55
- coverage, 172
- criteria of validity, 98
- cybernetic science, 253
- D**
- DALYs, 169
- Dark Ages, 77
- dentists, 90
- Departments of Public Health, 181
- determinants
 - biological /social, 287
- dissection, *see* autopsy
- distinction, 259

- diversity of organizational features, 180
double coding, 279
- E**
Edward Jenner, 88, 94, 224
Effectiveness, 169
efficacy, 166
Efficiency, 168
Enlightenment, 86
environment, 32, 164
environmental impact, 186
epidemics, 88
epidemiological, 174, 288
epidemiology, 100
epistemological, 207, 212, 259, 277, 282
equity, 284
equity indicator, 171
etiological, 221
Europe, 89
European Observatory of Health Systems in Transition, 188
exposure, 23
external observers, 262
- F**
financial protection, 176
financing, 177
first-order observation, 266, 280
first-order observers, 246
Foerster, 39
form of problem, 160
 addressing complexities, 270
 as linguistic device, 161
- Foucault, 116
four humours, 69, 72, 75, 92, 135
François Broussais, 98
French Revolution, 91, 105, 130, 132, 151, 223, 224, 231
function systems, 20, 36
functional differentiation, 206
future benefits, 179
- G**
Galen, 68, 72, 74, 75, 83
gaze, 122, 126, 143
gender issues, 187
genes, 92
germs, 92
Gerolamo Fracastoro, 97
glance, 122
Global medicine, 113
God doctor Asclepius, 69, 214
governance, 183
Greek, Arabic and Persian, 78
 medical texts, 78
Greek medicine, 42, 143
guilds, 84, 85, 231
- H**
health
 as symbolically generalized medium of communication, 48, 275
 indicators, 157
 needs, 165
 profile, 175
health as a social system, 19
 construction, 205

- health risk
 - organic-level, 198
 - social determinants, 198
 - health service delivery, 159
 - health system
 - as "system for the treatment of the sick", 277
 - medical and public health sub-systems, 131
 - medicine, 108
 - self-description as a system, 226
 - self-reference, 245
 - two self-references, 56
 - healthy/sick
 - binary distinction, 22
 - hemophilic, 138
 - hetero-reference, 148, *see* self-reference
 - Hippocrates, 43, 65, 144
 - Hippocratic
 - Corpus, 143
 - Oath, 68, 76, 218
 - writings, 213
 - history of medicine, 19, 94
 - hormones, 92
 - hospital, 147, 249
 - hospitals, 78, 81, 90, 99, 130
 - monastery, 79
 - human body, 45, 91, 272
 - human resources, 182
 - hygiene, 88, 100, 155
- I**
- identity, 32, 207, 245
 - Indicators
 - as pre-selected forms, 189
 - remove contingencies, 191
 - indicators
 - and boundaries of the system, 190
 - and risk, 195
 - appearance of precision, 191
 - calculation of, 281
 - expectations, 192
 - indeterminacy and paradoxes, 191
 - indispensable tools for framing problems, 194
 - perform complexity reduction, 189
 - selected out, 191
 - standardized narratives, 188
 - infection, 88
 - information, 33
 - Interactions*, 37
 - interactions*, 36
 - internal differentiation, 90
 - internal variety
 - and unit, 95
 - International Code of Diseases, 127
 - international health narratives, 178
 - invention of writing, 249

J

Johann Peter Frank, 100, 224

John Snow, 106, 224

K

Karl Jaspers, 138

L

laboratory, 108

Laennec, 98

latent, 163, 262

Latin, 85

legal system, 36

 comparison with, 222

library medicine, 78

Luhmann, 20, 31, 207, 226, 262,

 267, 269, 273, 276, 277, 285, 290

 approach to risk, 196

Luhmann's theory

 and self-reference, 96

M

Marcello Malpighi, 97

maximizing

 risk reduction, 242

meaning, 24, 262

 actuality/potentiality, 254

 and complexities, 254

 as selection, 255

meanings, 93

 and complexities, 94, 163

Medical

 communication, 75

 semantic, 224

medical

books, 87

communication, 146

communications, 108

communications validation,
 260

guilds, 82

information, 239

language, 147, 150

meanings, 206, 269

practices, 51, 224

profession, 148

professional associations, 237

schools, 80, 231

science, 51

semantics, 237

statement, 207

training, 96

Medicine

 in monasteries, 84

 of the invisible, 110

 rational non-religious, 75

 self-reference, 210

medicine

 of species, 117

 of teams, 238

 of the visible inside the body,
 88

 self-references, 52

medium

 and form, 183, 273

metaphors, 120, 247

miasmas, 92, 155

microscopes, 88

Middle Ages, 35, 41, 64, 77, 216,

 223, 250

models, 164
 molecules, 92
 Morgagni, 98

N

National Health Accounts
 methodology, 176
 Niklas Luhmann, 19
 norm, 141
 normal, 135
 normal and the pathological, 139
 normality, 140
 normative principles, 183
 norms
 stabilize expectations, 142
 nosologies, 87, 218
 nosology, 117
 nurses, 90

O

observation, 44, 145
 observations, 36
 and distinctions, 36
 observer
 second-order, 38
 ontological, 219, 282, 285
 Operational closure, 148
 operational closure, 33, *see* closure
 optimum levels
 risk reduction, 179
 organization
 indicators, 179
Organizations, 37
 as social systems, 80
organizations, 36, 230

orthogonal relation, 310
 orthopaedics, 207

P

Paracelsus, 97, 98
 paradox, 261
 Parisian hospitals, 148
 Pasteur, 101
 pathological, 135
 pathology, 88, 136
 Performance indicators, 167
 pharmaceutical, 108
 pharmacists, 90
 pharmacology, 88
 physiology, 86, 156
 Pierre-Charles-Alexandre Louis,
 98
 plague, 80, 88
 political and legal systems, 91
 political mobilization, 105
 political system, 232
 Population categories, 170
 power relations, 149
 prevention of diseases, 287
 preventive activity, 256
 priority criterion, 179
 problem formulations, 268
problems
 form of, 189
 profession
 regulated, 99
 Public health
 narratives, 242
 programmes, 257
 validation, 167

- public health, 22, 157, 211
 and risk, 282, 285
 coupling with other systems,
 228
 differentiation from
 medicine, 227
 emergence, 53
 health systems self-reference,
 55
 indicators, 157, 165
 language, 157
 making health systems social,
 240
 narratives, 244
 preventive interventions, 278
 professional, 157
 science and service provision,
 52
 self-definition, 203
 social focus, 225
 specialist, 254
 sub-system, 55, 162
 the “dialogue face” of the
 system, 242
 theoretical references, 289
 Public Health Movement, 224
- Q**
 Quality of care, 173
 QUALYs, 169
 quinine, 87
- R**
 reduce complexity, 92
 reduction of complexity, 253
redundancy and variety, 253, 269
 Renaissance, 86
 reproduction
 through communication, 207
 requisite variety, 41, 254
resilience, 286
 Rhazes, 78
rigid coupling
 in a disease form, 274
 risk, 23
 and time dimension, 199
 as chances and probabilities,
 282
 as observer dependent, 199
 assessments and attribution,
 199
 factors, 23, 165, 283
 of past or future events, 282
 of the future, 200
 reduction, 289
 time frame, 202
 Risks
 attributed to populations, 54
 risks
 of the past, 200
 Robin Lane Fox, 66
- S**
 Salerno
 first medical school, 79
 scientific medicine, 87, 145
 scientific methods, 88
 scientific observation, 148
second-order observation, 217, 246,
 257, 266, 271, 280

- Seeing like a State, 156
- segmentary societies, 35
- selections, 265
- self-descriptions, 38, 226
 - and identity, 247
- self-observations, 38
- self-organization, 207
- Self-reference, 20
 - and self-observation, 188
- self-reference*, 37, 148, 205, 206
 - and boundaries, 219
 - and complexity, 93
 - and stability, 219
 - observable attributes, 215
 - of health systems, 45
 - of two sub-systems, 233
- self-referential
 - communication, 33
 - units, 207
- self-regulation, 107
- self-reproduction, 36
- semantic, 135, 209, 212
 - closure, 213, 257
 - medium, 202
 - point of reference, 267
 - system, 83
 - universe, 217
- semantics, 43, 71, 87, 89, 98, 107, 145, 150, 212
- six pillars* framework, 265
- smallpox, 88
- social determinants of health, 256, 283
- social differentiation*, 34
- social function system of health, 52
- social function systems of science, 52
- social health system, 90
- social order, 267
- social system
 - communication-based, 90
- social systems, 19
- Social Systems Theory, 19, 31
- sociology, 267
- specialities, 90, 111, 239
- species, 117
- stratified societies, 35
- strengthen health systems, 245
- structural coupling*, 34
- surgeons, 90, 223
- surgery, 100
- surplus
 - of potential meanings, 263
- surplus of signifiers, 146
- survival strategy
 - of organizations, 181
- sustainability, 178
- symbolic domains, 273
- symbolic medium, 45, 212, 271
 - the human body, 269
- symbolic substratum, 272
- symbolically generalized medium of communication*, 47
- symptoms, 91
- system, 32
 - differentiation, 19
 - made of meanings, 233
 - observe itself, 32

- of meanings and complexities,
 - 40
 - of science, 209
 - self-observation, 90
 - self-regulation, 90
 - self-reproduction, 90
 - system/environment
 - distinction, 32
- T**
- Talcott Parsons, 47
 - tautology, 260
 - TB, 42
 - the normal and the pathological,
 - 95
 - Therapeutic, 76
 - therapeutic, 87
 - thermometers, 88
 - Thomas Sydenham, 97
 - time, 23
 - to cross the line, 24
 - trade-offs, 244
 - transmission, 88
 - Treatments, 69
 - treatments, 148
 - trivial machines, 39
- U**
- unanswerable question
 - and complexity, 268
 - unanswerable questions*, 267
 - uncertainties, 237
 - unavoidability, 203
 - understanding, 33
 - universal coverage, 173
 - universal health coverage, 242
 - universal knowledge, 87
 - universe of
 - communicable
 - representations, 273
 - university, 89
 - unpredictability, 173
 - utterances, 33
- V**
- vaccination, 88
 - validity of the equity judgement,
 - 171
 - variables, 163
 - vectors, 88
- W**
- ways of looking*, 257
 - William Harvey, 97
 - workforce, 182
 - composition and distribution,
 - 182

