

Index

A

- access control 207, 212
- action research project 71, 74
- active attacks 221
- advanced encryption standard (AES) 209
- agentization 113, 115, 120, 129, 132
- american health information management association (AHIMA) 188
- american medical association (AMA) 7, 46, 110
- anthropomorphism 113, 115, 118, 119, 120, 131, 132, 267
- artificial agency 92, 97, 108
- artificial intelligence (AI) 85

B

- biometrics v, 211, 217, 225, 249, 250, 259, 260, 261, 263, 265, 266, 268, 269, 272
- black box 91
- brain-computer integration 274, 275
- brain to brain communication 274
- british medical association (BMA) 5

C

- CADe 143, 144, 145, 149
- caldicott principles 242
- careless disclosure safeguards 214
- clinical decision support systems (CDSS) 49, 52
- computer security institute (CSI) 198
- consumer protection act 1987 112, 166
- cryptography 216
- cyberdoctors 3

D

- data controller 234, 235, 237, 238, 239, 240
- data encryption standard (DES) 209
- data integrity 152, 197, 226
- data protection act 9, 232, 233, 239, 240, 243, 246
- denial-of-service (DoS) 221
- discretionary access control (DAC) 214
- distancing 120, 123, 124, 127, 133, 137
- duty of care 8, 11, 23, 103, 104, 106, 145, 150, 166, 167, 168, 169, 170, 172, 176

E

e-medicine 32, 41
e-science 141
electroencephalograph (EEG) 280
electronic communication services 192
EURODAC 258
european union (EU) data protection directive 231
extra sensory input 284

F

federation of state medical boards (FGSMB) 6

G

general medical council (GMC) 5
globalisation 255
grid computing 141, 152

H

Health-e-Child 151, 153
healthcare finance administration (HCFA) 206
healthcare industry 187
healthcare privacy 189
HealthGrid 153
health information 187
hippocratic oath 10, 12, 14, 27, 87, 115

I

independent practitioner associations (IPAs) 52
information warfare 199
integrated care records 242
intentional system 89, 90, 91
internet pharmacies 2, 3, 25, 27
intrusion detection monitoring 211
IPsecurity (IPSec) 209

K

key-coded data 240

M

machine intelligence 285

MammoGrid 142–149, 153, 154
masquerading 221
medical decision support systems (MDSS) 84, 85
message modification 221
microelectrode arrays (MEAs) 276
ministry of health 201, 218, 225

N

national health service (NHS connecting for health) 158, 230, 231
national identification number (NINO) 232
national medical database 230, 231, 232, 235, 237, 238, 239, 242, 243, 244, 245
national patient safety agency (NPSA) 160
negligent misstatement 8, 10, 101, 102, 103, 107, 112, 169
nerve interface 276
neural interfacing 275

O

online consultations 2, 5, 7, 8, 9, 11, 12, 19, 20, 23, 24, 25

P

passive attacks 221
patient autonomy 32, 34, 37, 38, 40, 41, 42
Patient databases 192
patient portal 32, 40
personal digital assistants (PDAs) 220
personal health information 130, 189, 196, 197, 198, 207, 208, 211, 212, 214, 215, 218, 219, 223
principle of autonomy 29, 37
principle of responsibility 29, 34, 36, 37, 40
privacy act 1993 218
professional malpractice 8
provenance 147, 149, 152

Q

quality management system 60, 157, 170, 176, 177

R

- radio frequency identification (RFID)
 - 264, 282
- remote prescribing 5, 6
- RFID tags 282
- royal society for the prevention of accidents (RoSPA) 163

S

- sale of goods act 1979 166
- SAVA 66, 71–80
- secure socket layer (SSL) 209
- SHARE 151, 153
- slovenian personal data protection act 1999
 - 232, 239
- smart cards 212
- social engineering 214
- social services act 67, 71
- standard of care 7, 94, 95, 102, 105,
 - 106, 108, 167, 168, 170, 171
- summary care records (SCR) 242
- supply of good and services act 1982 165
- systems integrator 56, 58

T

- technoanimism 267
- telemedicine 192
- the royal pharmaceutical society of great britain (RPSGB) 15
- thought communication 273, 274, 275,
 - 284, 286, 287

U

- UK medical act 1983 5
- unfair contract terms act 1977 165

V

- virtual private networks (VPNs) 209

W

- wireless LAN (WLAN) 220
- world health organization (WHO) 26, 280