# Index

## A
- abbreviated injury score (AIS) 95
- adaptive structuration theory (AST) 164, 166
- American Health Information Management Association (AHIMA) 299
- artificial neural network (ANN) 93
- artificial neural network (ANN) systems 109
- artificial neural networks (ANNs) 108

## B
- baby boomers, use of Internet 69
- blood donor recruitment (BDR) 17
- blood donor recruitment (BDR) project 17

## C
- Center for Education and Research in Information Assurance and Security (CERIAS) 146
- Clinical Information access program (CIAP) 331
- code-division multiple-access (CDMA) 8
- code division multiple access (CDMA) 8
- communication-level security protection principle 45
- competitive forces, modeling of in e-health 381
- computerized order entry systems (CPOE) 203
- computerized physician order entry (CPOE) 185, 361
- computerized physician order entry (CPOE) systems 273
- computer systems used, LAN vs. non-connected 259
- consent requirement principle 45
- continuing medical education (CME) 143

## D
- data-level security protection principle 44
- deep vein thrombosis (DVT) 109
- demonstration: assistance in rural training (DART) project 209
- differences between boomers and seniors 72
- digital literacy 25, 92, 108, 164, 224, 392

## E
- e-commerce paradigm 346
- e-health, competitive forces 375
- e-health, definition of 345
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>e-health, description of</td>
</tr>
<tr>
<td>e-healthcare privacy legislation compliance architecture</td>
</tr>
<tr>
<td>e-opportunities in healthcare</td>
</tr>
<tr>
<td>e-service infrastructure, on Web</td>
</tr>
<tr>
<td>radio frequency identification (RFID)</td>
</tr>
<tr>
<td>EHR system, general benefits and risks</td>
</tr>
<tr>
<td>electronic data interface (EDI)</td>
</tr>
<tr>
<td>electronic health information management (e-HIM)</td>
</tr>
<tr>
<td>electronic health record (EHR) system</td>
</tr>
<tr>
<td>electronic medical record (EMR), adoption of</td>
</tr>
<tr>
<td>electronic medical records (EMR)</td>
</tr>
<tr>
<td>electronic medical records (EMRs)</td>
</tr>
<tr>
<td>electronic medical record systems (EMR)</td>
</tr>
<tr>
<td>enhanced data rates for GSM evolution (EDGE)</td>
</tr>
<tr>
<td>enterprise privacy authorization language (EPAL)</td>
</tr>
<tr>
<td>evidence-based medicine (EBM)</td>
</tr>
<tr>
<td>extensible access control markup language (XACML)</td>
</tr>
</tbody>
</table>

**F**

<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>family practice (FP)</td>
</tr>
<tr>
<td>frequency division multiple access (FDMA)</td>
</tr>
<tr>
<td>fuzzy ontology</td>
</tr>
</tbody>
</table>

**G**

<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>general packet radio service (GPRS)</td>
</tr>
<tr>
<td>Greek National Healthcare System</td>
</tr>
<tr>
<td>Greek National Telemedicine System</td>
</tr>
</tbody>
</table>
Index

L
logistic regression (LR) 116

M
m-health, definition of 2
m-health reference model 11
m-health systems 1
medical electronic billing systems (MEBS) 166
mobile healthcare delivery system (MHDS) 2, 6, 13

N
National Ambulatory Medical Care Survey (NAMCS) 142
National Health Service (NHS) 26
National Initiative for Telehealth Guidelines (NIFTE) 225
national library of medicine (NLM) 330
National Programme for Information Technology (NPfIT) 27
negative predictive value (NPV) 100
neural network, design issues 113
neural networks, in medicine 112

O
obstetricians and gynecologists (OBGYN) 133
Organization for Economic Coop-eration and Development (OECD) 132, 133

P
pediatrics (PEDS) 133
perceived ease of use (PEOU) 188
perceived usefulness (PU) 188
personal digital assistant (PDA) 3, 6, 14
personal digital assistants (PDAs), in nursing 315
personal health information (PHI) 40, 41, 42
personal health management 351
personal health record (PHR) paradigm 347
personal health records (PHR) 345
Pocket PC, in nursing 314
policy decision point (PDP) 56
policy enforcement point (PEP) 56
positive predictive value (PPV) 100
Prescription Pricing Authority (PPA) 28
Princeton Survey Research Associates (PSRA) 76
public healthcare, in the UK 26
public key infrastructure (PKI) 56
pulmonary embolism (PE), diagnostic difficulties 111
pulmonary embolism (PE) 108, 109

Q
quality improvements (QI) 268

R
radial basis function (RBF) neural networks 116
reactive glucose (Glu-R) 116
reference model 1
residency program (RP) 209
return on investment (ROI), in healthcare 298
Rogers diffusion of innovation theory (IDT) 25, 26
Rogers innovation and diffusion theory 30
role-based access control (RBAC) model 40, 41, 46

S
second generation systems (2G /2.5G) 8
secure socket layer (SSL) 56
seniors, and use of Internet 69
shift reports, three types of 314
simple object access protocol (SOAP) 52
situation-background-assessment-recommendation model (SBAR) 326

T
technology acceptance model (TAM) 25, 26, 29
Telehealth, in Canada 225
Telehealth policies and procedures 224
Index

telemedicine applications, for regional care 281
telemedicine projects, in Greece 284
telemedicine services, operational features 290
telemedicine system, organizational characteristics 289
telemedicine system, technical characteristics 287
theory of reasoned action (TRA) 29, 188
third generation systems (3G) 8
time-division multiple-access (TDMA) 8
Trauma Audit & Research Network (TARN) 95
Triandis theory of interpersonal behaviour 30
Triandis theory of interpersonal behaviour (TIB) 25

U
U.S. National Ambulatory Medical Care Survey (NAMCS) 141
unified medical language system (UMLS) 330
universal description, discovery and integration (UDDI) 52
universal mobile telecommunications systems (UMTS) 8

W
Web services description language (WSDL) 52
Wireless local area networks (WLAN) 6, 10, 13
wireless personal area network (WPAN) 10
worldwide interoperability for microwave access (WiMAX) 9