Index

A

B

C
Canadian DC plan, 7, 117, 137 capital markets, 1, 46, 119 Chile, 119 collective trusts, 95 Coming Up Short (Munnell and Sunden), 13 contribution shortfall, 73 conventional lifetime annuities, 161, 166–69
decumulation guaranteed minimum withdrawal benefits, 175–76 household spending, 144 individual perspective, 139–40 individual’s role in, 7–8 lifetime annuity, variations in, 173–74 longevity pool, 177 longevity protection and long-term care insurance, 174–75 net worth, current, 143, 147 personal spending, 141–150 personal spending, future, 144–46 personal spending and available asset funding, 147–48 personal spending and future gap, 148–50 private sector retirement plan, 65 products, which is best?, 179 pure drawdown products, 178–79 withdrawals, simulation of, 58–61 defined benefit (DB) asset diversification, 82 defined contribution, 2–3
INDEX

defined benefit (DB) (Continued)
as 401(k) pension plan, 15
fundamental pension equation, 2, 31, 33
in Japan, 1
members, declining, 136
payout formula, 134
preannuitized assets, 147, 165, 185
private sector retirement plan, 65, 88, 120
understanding of plan, 147
defined contribution (DC) plan, 2–3, 6–7, 11–12, 16–17
active management, 95–96
asset allocation, dynamic, 205
bank savings model, 127–29
collective, broader applications of, 135–36
collective, hybrid design of, 134–35
collective, principles of, 133–35
coming of age, 12–13
corruption level, 13, 45, 71
DBization, 14
design features, 204–5
eye withdrawals, 200
employee contribution rate, 195
employee savings rate, 194–95
employees who do not enroll, 67–69
exclusive benefit rule, 187–88
fee leakage, 92–93
fees, impact of, 91
fees, institutional vs. retail, 94–95
fees, record-keeping, 97
fees, what they are for, 92
fee sharing arrangements, 93–94
fee transparency and reasonableness, 205
fiduciary duty, 186–89
fund management, defensible, 206
fund supermarket model, 129
group fees, 205
hardship withdrawal usage, 198–99
income replacement, 15–16
inflation adjustment, 32
investment decisions, 6, 13–14, 82–83, 101, 103, 126
loans as distributions, 199
longevity insurance, 206
match maximization, 195–96
multiple carriers, 204
new choices, 189–90
new retirement superpower, 13–14
objective of, 15
optional participation, 204
participant net investment return, 196–98
participation delay, 193–94
participation rate, 65, 67, 105–6, 192–94
percentage savings rates, 34
plan design features, 204–5
plan effectiveness, 191–92
plan governance, purpose of, 183–84
plan product features, 205–6
plan sponsor’s role, 181–82
portability, 134, 205
product features, 205–6
product providers, replacement of, 204
prudent expert, 188–89
prudent expert, knowledge of, 189
purpose and objectives, 185–86
qualified default investment alternatives (QDIAs), 189–90
replacement target, 33, 37
retirement income model, 129–32
risk management, 184–85
simplicity, 208
diversification, 54, 72, 82, 106
Dutch DC plan, 7, 117, 133, 135–37

E
EBRI. See Employee Benefit Research Institute (EBRI)
emergency fund, 146
Employee Benefit Research Institute (EBRI), 16, 101–2, 147–50, 161
employee contribution rate, 195
Employee Retirement Income Security Act (ERISA), 96, 184, 187–89, 202
employee savings rate, 194–95
dependent zone, 169
equity market, 17, 38, 197
ERISA. See Employee Retirement Income Security Act (ERISA)
esential zone, 166
exclusive benefit rule, 187–88

F
fair value multiples, 61–62
fee(s)
impact of, 91
institutional vs. retail, 94–95
leakage, 92–93
record-keeping, 97
Index

sharing arrangements, 93–94
transparency and reasonableness, 205
what they are for, 92
female longevity, 27–29
fiduciary duty, 186–89
financial education, 99
behavioral finance, 102–3
hyperbolic discounting, 104–5
initiatives, enthusiastic, 110–12
investment choice overload, 105–6
literate default system, 115–16
low participation and savings rate, 103–6
overconfidence, 101–2, 106–7
poor investment results, 106–8
retirement planning, overconfidence in, 101–2
returns, chasing, 107–8
sophistication, lack of, 106
what can be taught?, 112–14
why hasn’t it been taught?, 115
401(k) plans. See also defined contribution (DC) plan
automatic enrollment, 193
bank savings model, 6
borrowing against, 76–77
cashing out, 76
contribution levels, 36
correlation of contributions to, 4
DB plans vs., 16, 82, 128
DC plan version 1.0, 12, 71
DC plan version 2.0, 11, 14–16
employer matching contribution, 104
fees, 14
403(b) provisions, 103
fund supermarket model, 7, 129
hardship withdrawals, 78, 198–99
income replacement, 15–16, 36–37, 186
investment decisions, 36–37
investment options, 105, 187
investment portfolios, 40
nonannuitized wealth, 87
participation in, 36
pension plans, 17
purpose of, 15
redesign of, 12–13
retirement income, 39
“State-K” proposal, 66
tax-deferred savings, 143, 185
withdrawals, early, 14
fundamental pension equation, 2, 31, 33, 40
fund management, 206
fund supermarket model, 129
G
glide path, 84–85, 86–89
Government Accountability Office (GAO), 65, 75–76, 92
group fees, 205
guaranteed minimum withdrawal benefits, 175–76
H
hardship withdrawal, 5, 68, 77–79, 192, 198–99
health care
benefits, 33
coverage, 69
expenses, 145–46, 166
Holland. See Dutch DC plan
home equity, 159, 162. See also real estate; reverse mortgage
hospital bills, 77
How to Live Forever or Die Trying (Appleyard), 30
hypercyclic discounting, 104–5
I
immediate annuity, 151–53
income replacement, 14–17, 31–33, 36, 38–39
rates, 37, 40, 42, 69, 91, 122, 185–86
ratio, 34, 37, 91, 122
individual retirement account (IRA), 64, 70, 205
in-plan products, 203–4
institutional fees, 64, 94–95
Internal Revenue Code, 11, 15
Internal Revenue Service (IRS), 26
investment, 81
active management, 93, 95–96, 125–26
default option, 83
exerts, 89–90
fees, 92
glide path, 84–85, 86–89
investment experts, 89–90
management fees, 93–95, 97, 124, 195
INDEX

investment (Continued)
  passive management, 95–96, 125–26
  performance, poor, 33, 82, 86, 103, 106–8
  sequential risk, 85–86
  target date solution, 84–89
  waste, evidence of, 81–82
investment policy, 159
  bequests, 169–71
  bequest zone, 168–69
  endowment zone, 169
  essential zone, 166
  goals and choices, 159–60
  investment risk vs. longevity risk, 160–61
  lifestyle zone, 166–67
  real estate, owner-occupied, 161–63
  rules of thumb, incorrect, 163–64
  wealth zone and choices, 166–69
investment returns, 43–44
  DB plan growth, 43
  distributions, 25
  fundamental pension equation, 2, 31
  games at a virtual casino, 46–48
  individual’s role in, 7–8
  investment analogs, 48–49
  lessons learned, 47–48, 52–54
  net, 196–98
  overall target, 33
  preretirement, 38–39
  rate of 7.5 percent a year, 34, 38, 44–45, 86, 91
  rate of return patterns, 49–52
  retirement date, 4, 40
  retirement planning, 4–5
  retirement provisions, 17
  10/30/60 rule, 4, 44–46, 81, 140, 194
  uncertainty of, 39–42
  investment risk, 43, 54–56, 160–61
  IRA. See individual retirement account (IRA)
  IRS. See Internal Revenue Service (IRS)

J
  Japan’s Post Office savings, 1

L
  large-cap index, 42
  large cap stocks, 42
  life expectancy. See also longevity
    at age 65, 23
    average, 1, 22–23, 154–55
    how it has changed, 22–23
    improvement in, 30
    meaning of, 29–30
    the multiple, 61–62
    uncertainty of individual, 23–26
    what is it?, 21–22
    lifestyle zone, 166–67
    lifetime annuity, 57–58
    benefit of, 153–54
    reasons not to buy, 156–57
    reasons to buy, 154–55
    traditional, 61, 137, 173, 175–77
    variations in, 173–74
    limit leakage
      cashing out, 75–76
      fees, 92–93
      hardship withdrawals, 77–79
      introduction, 75
      loans, 76–77
    liquid financial assets, 159
    loans as distributions, 199
    longevity. See also life expectancy
      distributions, 26–30
      female, 28
      fixed vs. variable, 153
      insurance, 206
      pool, 177
      postretirement, 70, 129
      protection, 129, 134, 140, 174–75
      risk, 7, 26, 43, 135, 160–61
      RP 2000 (life expectancy table), 26–28
      second death, 28
      standard, 152–53, 155
      standard deviation of, 25
      swaps, 153, 155–56, 158
      long-term care, 146, 148, 174–75
      low participation rate, 103–6
      low savings rates, 70–72, 103–6
      lump-sum distribution, 14, 43, 75–76,
        185–86

M
  male longevity, 21–22, 25–26, 27–28,
    154–55
  medical expenses, 146. See also health care,
    expenses
  MetLife Mature Market Institute, 70–71
  money market funds, 68, 81, 106, 125,
    204
  Monte Carlo simulation, 57, 148
Index

N
National Vital Statistics Report, 21
net worth, 125, 143, 147

O
out-of-plan products, 203–4
overconfidence, 96, 101–2, 106–7, 149

P
participation
delay, 192–94
rate, 65, 67, 105–6, 192–94
rate, low, 103–6
Pension Protection Act of 2006 (PPA),
12–13, 33, 68, 71, 105, 122, 128
personal spending
available asset funding and, 147–48
current, 142–44
decumulation, 141–42
future, 144–45
future gap and, 148–50
projected outflow, 145–46
portability of benefits, 134, 205
portfolio rebalancing, 107
postretirement
longevity, 70, 129
PPA. See Pension Protection Act of 2006
(PPA)
preretirement
distributions, 76
investment earnings/return, 38, 45, 163
President’s Advisory Council on Financial
Literacy, 110–11
prudent expert, 188–90
pure drawdown products, 178–79

Q
qualified default investment alternatives
(QDIAs), 189–90

R
rate of return
patterns, 49–52
real estate, 82, 89, 143, 160–63. See also
home equity
retail fees, 5, 94–95, 205
retirement date, 4, 40, 88, 131, 142
retirement expense, 31
base case results, 34–37
expectations, adjusting, 40
income-replacement, targeted level,
32–33
investment program, managing, 41
reliability of base case, 38–39
retirement date, adjusting, 4, 40
savings rate, adjusting, 39–40
uncertainty, 39–42
when to start saving, 37
retirement income, 129–32
retirement plan
accumulation and decumulation, 34
defined contribution plans, 6–7
dynamics of, 3–4, 19–20
effectiveness, 191–92
governance, 183–84
overconfidence with, 101–2
sponsor’s role, 8–9, 181–82
reverse mortgage, 162–63. See also home
equity
risk
funds, target, 89–90
investment, 43, 54–56, 160–61
longevity, 7, 26, 43, 155, 160–61
management, 184–85
sequential, 85–86
tolerance, 54, 89–90, 141
RP 2000 (life expectancy table), 26–28
rule
exclusive benefit, 187–88
10/30/60, 4, 44–46, 81, 140, 194

S
saving more
automatic IRA, 1–67
DC plan and employees who do not enroll,
67–69
employers with no plan, 65–67
gaps in continuous participation,
72–73
savings rates, low, 70–72, 103–6
saving too late, 69–70
State-K proposal, 66
savings rate, 39–40
low, 70–72, 103–6
second-to-die expectancy, 28–29, 61, 148
sequential risk, 85–86, 168, 178
The Seven Stages of Money Maturity
(Kinder), 145
simulation of withdrawals, 58–61
“60/40 investor,” 159
INDEX

Social Security, 5, 7, 32, 37, 67, 70, 73, 78, 87, 110, 119, 130–32, 147, 165, 186
S&P 500 index, 42
sponsor’s role, 201–2
DC plan design features, 204–5
DC plan product features, 205–6
education, 202–3
in-plan or out-of-plan products, 203–4
State-K proposal, 66
stocks (equities), 48–49, 51–54, 58, 81, 107, 159, 161
supplemental savings to income replacement, 186
sustainable spending, 57
fair value multiples, 61–62
lifetime annuities, 57–58
simulation of withdrawals, 58–61

T

target date
funds, 69, 88, 90, 125, 186–87, 190
solution, 84–89
targeted replacement ratio, 38
target risk funds, 89–90
tax penalty, 75, 77, 198
10/30/60 rule, 4, 44–46, 81, 140, 194
treasury bills, 46, 48, 51, 107, 160

U

uncertainty, 23–26, 39–42
universal accounts, 87

W

Wealth in Families (Collier), 170
wealth zone, 166–69
Who Gets Retirement Plans and Why, 66
withdrawal simulations, 58–61