

Index

Page numbers in bold type, e.g. 38-45, indicate detailed discussion of the topic.

A accidents, 43-5, 131, 134-6, 202, 208, 212, 222; see also driving acute health effects, 36, 38-45, 131, 134, 209, 212 - 14acute psychological effects, 38, 45, 119, 213-14 addiction see drug dependence administration, methods of, 6, 14, 38, 130, 135, 140, 228, 232; see also cannabis smoking; injection; oral administration administrative sanctions see civil sanctions adolescents: accidents, 44; cannabis as gateway drug, 104-14, 216; cannabis dependence, 75-6, 78, 125; cannabis use, 18-26, 28-9, 78, 90, 93, 96, 140, 159, 208; cognitive effects, 125; complementary drug use, 153; crime, 237-9; decriminalisation and use, xi, 222; delinquency and crime, 124-5; deterrence, 2, 157; drug substitution, 145; effects of cannabis use, xii, 216; effects on development, 101-25, 224; employment, 125; enforcement, 125, 168; health effects, 132; heavy users, 125; home cultivation, 210; interpersonal relationships, 121; intoxication, 125; law reform and use, 198, 201-2, 209-10, 211-12, 223-5; life opportunities, 125; mental health, 121-3, 125, 143-4; occupational performance, 120-1; problem behaviour, 116, 239; psychological outcomes, 70, 115-25; psychosocial outcomes, 35, 216; recreational use, 147; reproductive effects,

53; schizophrenia, 137; suicide, 123-4; see also disrespect for law; educational performance; young adults adulthood, transition to, 103, 119-21, 163, 211, 223 adults: benefits of recreational cannabis use, 142, 153; cardiovascular effects, 61, 215; cognitive effects, 119; crime, 124; deterrence, 161, 164; legal use, 197-8; patterns of use, 21-9; prohibition of use, 1; psychotic disorders, 96; see also young adults adverse health effects, 1-5, 31-65, 130, 136, 138, 222, 225; alternative explanations, 34-5; education, 179-80; high-risk groups, 132; prohibition and, 159, 216-17; psychological effects, 69; see also acute health effects; chronic health effects aerodigestive tract cancers, 47-9, 58, 64-5, 131, 135, 214 affective disorders, 122, 142-3 Africa, cannabis use in, 26-8 age: cannabis dependence and, 75; cannabis use and, 18-25, 26-7; early adolescent use, 125; first use, 104, 108-9, 113, 117-20, 124-5, 132-3, 216; legal drinking age, 144-5, 160; restrictions on use, 202, 205, 209-10, 218, 222 aggression see violence and aggression AIDS see HIV-AIDS alcohol: benefits of moderate use, 142-3; cognitive impairment, 85; crime, 236-8; dependence, 71, 75, 77-8, 90, 98, 109, 122-5, 132, 135, 215; driving under the influence (see driving); educational performance, 117-18; gateway hypothesis,

104, 106-7, 111-13, 216; health effects,



More information

290 Index

5-6, 129, 130-41, 213, 217; legal car accidents, 42-3; crime, 236-8; drug restrictions, 201-4, 207, 222; mental dependence, 78; drug substitution, 146; health benefits of moderate use, 153, 222; immunological effects, 53; medical uses, mental health of adolescents, 122, 219; 181, 219, 232-3, 234; methods of use, 14; patterns of use, 21-2, 160, 211; policy, x, policies, 1, 165-7, 169, 171, 174-9, 191-2, 3-4, 223-4; pregnancy, 81; price, 208, 212; 196-7, 200, 210, 220-2; potency of prohibition, 7, 157-8, 188, 190; cannabis, 133; price, 200; psychotic psychomotor performance, 39-45; disorders, 90-1, 99; public health, 138-9, psychotic disorders, 89-91, 97-8; 201; schizophrenia, 99 recreational use, 142; regulation, 201, 207, Austria, 167 222; risks, 136, 141; social cost, 208-9; availability, 108, 112-13, 190, 205, 211 substitution of cannabis for, 144-6; suicide, 123-4; use in combination with cannabis, 37, 41-5, 47-8, 56-8, 79, 81, 84, behavioural effects, 59, 213, 215 89-91, 133, 136, 141, 208, 214; violence, Belgium, x, 28 benefits of cannabis use, xi, 129, 142-52, 153, allergies, 51 176, 219, 224 birth defects, 55-7, 59, 134, 215 amotivational syndrome, 70-1, 78, 119 amphetamines, 37, 93, 104, 112-13, 189, 216 birth weight, 56, 59, 131-2, 134, 137, 141, 215 analgesic effects, 60, 146-8, 151-2, 180-1, blackmarkets: alcohol prohibition, 157; cannabis prohibition, 1, 158, 172-5, 190, 219, 227-8, 230, 232-3 animal evidence: cannabinoid receptors, 17; 224, 234; demand and potency, 133; cardiovascular effects, 60; cellular economic costs, 166, 174; effects, 218-19; processes, 46-7, 58; cross-sensitivity of gateway hypothesis, 105; legal markets drugs, 114; gastrointestinal effects, 65; and, 197-200, 203-12, 221, 223, 225; health effects, 34-5, 37; immunological violence and crime, 125, 238-9 blood, 16-17, 42-5 effects, 37, 50-2, 58, 214; medical uses, 147, 149-51, 153; pharmacology, 110-11, blood pressure, 39, 65, 135, 215 114; reproductive effects, 53-5, 57, 214; bongs (water pipes), 14, 17, 25 brain function, 16-17, 82, 84-5, 135, 150, 216 tolerance, 72; toxicity, 39 anti-convulsant use, 146-7, 149-50 bronchitis, 62-5, 131-2, 135-7, 141, 215 anti-emetic use, 65, 146-8, 150, 152-3, 180-1, 219, 227, 232-3 caffeine use, 98 anti-spasmodic use, 146-7, 149-50, 154, 180-1, 219, 232-3 Canada: cannabis dependence, 74; cannabis antisocial behaviour, 106, 115, 122, 125 use in, 22-3, 26-9; driving accidents, 42; anxiety: adverse effect of cannabis use, 36, enforcement of prohibition, 165-6, 168, 38-9, 45, 73, 91, 98, 122, 131, 143, 213; 170-1, 178-9; health costs, 139; medical benefit of moderate alcohol use, 142; uses, 233-4; policies, 1, 187, 197, 203; medical uses, 151 psychological effects, 81; schizophrenia, appetite stimulation, 17, 53, 65, 147-8, 152-4, 99; taxation, 199, 207 180, 215, 219, 227 cancer see carcinogenicity; chemotherapy cannabidiol (CBD), 149-50 arthritis, 233 Asia, cannabis use in, 26-8 cannabinoid receptors, 16-17, 50, 72, 86, 132, asthma, 132, 151 147, 151, 216 cannabinoids: absorption, 14-16; biology, attention, 38, 79, 81-3, 85, 115, 119, 131, 213, 16-17; cancer, 46-7, 58; cannabis plant, Australia: adolescent cannabis use, 104-5, 13; cardiovascular effects, 60-1, 65, 134; 109, 115, 122-3; benefits of cannabis use, cognitive functioning, 80, 216; detection in bodily fluids, 15-16, 83; endogenous, 142-4, 176; cannabis dependence, 74, 76, 78; cannabis use, 4, 23-5, 28-9, 159-62; 16-17; gastrointestinal effects, 65;



More information

291 Index

immunological effects, 50-2, 214; medical CBD (cannabidiol), 149-50 cellular effects of chronic cannabis use, uses (see medical uses); metabolism of, 15; motor accident drivers and victims, 42-3, 46-50, 214 chemotherapy, 65, 147-8, 153, 181, 219, 45, 214; pharmaceutical, 147-8, 153, 227-8, 230, 235; pharmacology, 110-11; 232 - 3physical effects, 39; potency (see potency); children: behaviour, 58-9, 75, 106, 215, 239; psychoactive effects, 13, 17, 87; cancers, 49-50, 58; conduct disorder, 125; psychomotor effects, 41-4; psychotic development, 57-8, 81, 215; regulation of disorders, 99; reproductive effects, 53-5, sales to, 172-3, 177 57, 59, 214; storage in body, 132-3, 236; chronic cannabis use: cognitive functioning, 79-81, 119; dependence, 74; health effects, tolerance and withdrawal, 72-3, 215; see also metabolites 49-65, 131, 214-15; legalisation, 212; cannabis abuse, 73, 109, 123, 138-9, 143, 207, metabolism of cannabinoids, 15; prohibition and, 159, 186; psychological cannabis dependence, 70-8; adolescents, effects, 3, 67-100 75-6, 78, 125; consequences, 75-6; crime, chronic health effects, 36-7, 131, 134-6 238; depression, 143; genetic vulnerability, cigarettes see tobacco 109; long-term users, 74, 141; policy and, civil sanctions, 185, 187, 190-4, 196, 212, 223-4; psychotic disorders, 90, 95; public 220 - 1health, 138-9; research, xiii, 73-4; risk, cocaine see hard drugs (heroin and cocaine) 74-5, 131-4, 137-8, 209, 215; suicide, 123; cognitive effects, xii, xiii, 38, 69, 72, 75, 79-86, symptoms, 78; syndrome, 215; treatment, 87, 131, 134-5, 213, 215-16; adolescents, 76-8, 138, 215, 222; violence, 125 118-20, 125, 132; early childhood, 58-9 cannabis products, 185, 210 complementary drug use, 36-8, 56, 79-80, 83, 'cannabis psychosis', 87, 88-9, 99 88, 93-5, 115, 144, 146, 153, 174, 208, 219 cannabis smoke: immunological effects, 50, conduct disorder, 122, 125 52, 214; mutagenic and carcinogenic confusion, 79, 88-9 substances, 47, 58, 61-2, 64-5, 214, 228; controlled substances, 188, 229 respiratory effects, 61-5, 134, 215 corruption, 157, 172, 173, 218 cannabis smoking, 6, 14-17, 25, 38; cancers, Costa Rica, 52, 60, 70, 79 47-9; cardiovascular effects, 60-1; heart costs see economic costs crime: adolescents, 103, 105, 107, 124-5, 216; rate, 39, 65; medical uses, 148, 151, 227-8, 230, 232-4; mortality, 43-4; respiratory blackmarkets, 172-3, 218; cannabis use effects, 61-5; withdrawal, 73; see also and, xiii, 236-9 cannabis smoke criminal justice resources: alternative market car driving see driving regimes, 9, 170, 193-4, 207, 212, 220; carbon monoxide, 61, 63 enforcement of prohibition, xi, 166, 175, carcinogenicity: alcohol, 135; chronic 218 cannabis use, 46-50, 131, 214-15; lung criminal records, 1, 177-8, 187, 192, 194, 218, cancer, 65; respiratory cancers, 61-2, 64-5, 224 136-7, 141, 215; smoke, 58, 228; tobacco, criminal sanctions, 1, 6, 185, 224; deterrence, 135 - 72, 160-2, 163-4, 169, 217; drug cardiovascular effects, 39, 60-1, 65, 132, substitution, 146; economic studies, 111; 134-6, 138, 142, 215 enforcement costs, 166, 168-70, 176, 218; Caribbean, 28, 70, 87-8; see also Jamaica injustice and disproportion, 177-8; legal causal inferences: crime, 236; educational markets, 209-10, 212, 220, 222; medical performance, 116-17, 119; health effects, use, 234; partial decriminalisation, 191-3, 196, 221, 229; prohibition models, 187-9, 6-7, 33-6, 37, 130, 134; psychological effects, 69; psychotic disorders, 87, 88, 194; see also decriminalisation 137; social policy, 7; see also gateway cross-national comparisons, 7, 79-80, 146, hypothesis 153



More information

292 Index

Cuba, 188 psychomotor effects on, 16, 39, 40-2, 45, cultivation: legal markets, 195-200, 202-4, 213-14; regulation, 177, 197, 201-2, 209, 206-7; prohibition, 159, 162, 167, 170, 221; self-reported accidents, 44-5 173-4, 185, 193, 239; see also home dronabinol (Marinol), 65, 148, 227, 230 cultivation drop-outs, 106-7, 115, 119-20, 216; see also educational performance D drug abuse, 91-3, 97-8, 109, 138, 188 daily use see frequency of use; heavy users drug dependence, 71-2, 75-8, 98, 124, 132, death see dosage; mortality 189-90; see also genetic vulnerability; decriminalisation: crime and, 237; deterrence tolerance; withdrawal drug education see health education and, 220; drug substitution, 144-6; enforcement costs, 166, 169-70, 175; drug interactions, 36; see also complementary models, 187, 190-4, 196-7; policy debate, drug use x, 2-3, 213, 217, 225, 232-3; reducing drug policy see policy harms of use, 221-2; reform options, drug subculture, 112, 114, 216 219-20; supply, 221; use and, xi, 161-2, drug substitution, 144-6, 153, 219 DSM-IV, 71-2 delinquency, 58, 106, 117-18, 124-5, 239 duration of use, 6, 37, 80, 85, 140, 164, 186 delusions see psychotic disorders dysphoria, 36, 38, 131 demand, 112, 133, 144-6, 163, 166, 197-8, 201-2, 206-8, 219 E Denmark, cannabis use in, 25, 28 econometric evidence, 144, 153, 219 economic costs: drug abuse, 138-9; dependence see cannabis dependence; drug dependence enforcement of prohibition, 158, 165-75, depression, 36, 38, 70, 73, 91, 95, 98, 121-3, 181, 217-18, 220, 225 economic studies: cannabis as gateway drug, deterrence: adults, 164; criminal sanctions, 2, 111-12; legal markets, 195, 198-200, 223 economic substitution, 144-6, 153, 219 160-4, 179; decriminalisation and, 177, 208, 220, 225; prohibition of cannabis economically motivated crime, 237-8 and, 157-9, 217-18 educational performance, 25; adolescent developmental effects, xi, 55-9, 101-25, 222, cannabis use, xiii, 22, 70, 103, 106, 115-20, 125, 131-2, 135, 224; cannabis deviant behaviour, 75, 105-6, 116-18, 125, dependence, 75; cognitive functioning, 79-80; early school-leaving, 106-7, 115, 119-20, 216; explanations of relationships diathesis see genetic vulnerability disrespect for law, 7, 9, 60-1, 157-8, 179, 181, with cannabis use, 34, 116-17; 215, 218, 224-5 longitudinal studies, 117-19 distress, 45, 75, 121-2, 143 Egypt, 76, 79, 87 distribution see supply emetic use see anti-emetic use dopamine, 99 employment, 25, 70, 75, 131, 135, 178, 187, dosage, 14; acute effects, 36, 38, 213; 198, 218; adolescents, 103, 115, 118-21, cardiovascular effects, 60; cognitive 125 functioning, 80; fatal overdoses, 17, 39, 45, endogenous cannabinoids, 16-17 134, 213; health effects, 37, 51-2, 214; enforcement: cost of prohibition of cannabis medical uses, 149; pharmacology, 110, supply, 165-8, 170-2, 173-5; cost of 114; psychomotor tasks and, 45; toxic, 6, prohibition of cannabis use, 165, 166-70, 39; withdrawal, 73 175; costs, 165, 166-70, 175, 181, 186, 220, driving: accident risk, x, 39, 42-5, 124, 131, 225, 234; costs and legal markets, 208,

133-4, 136, 141, 144, 208-9, 214, 224;

inappropriate use of cannabis, 140, 164;

209–10, 221, 224; drug substitution, 145; economic costs, 158, 165–75, 181, 217–18,



More information

293 Index

220, 225; legal markets, 196-201, 205, gender see females; males 209-12; medical uses, 234; policy of nongenetic vulnerability: drug dependence, 105, enforcement, 195-6; resources, 185; social 106-9, 114, 216; psychosis (diathesis), costs, 218; unequal application, 169, 88-9, 97, 99, 131, 135 178-9, 181, 218; variations, 161-4, 188-9, Germany, x, 28, 161, 167, 191, 192, 237-8 194 glaucoma, medical use of cannabis for, 149, epilepsy, 149-50, 233 ethnicity, 146, 153, 178 government monopolies, 203-4, 206, euphoria (high), 14, 36, 38, 60, 87, 98, 110, 211, 224 142, 147, 176, 219 Greece, 28, 52, 79-80 Europe: cannabis dependence, 76; cannabis growth see developmental effects use, xi, 4, 25-9; policies, 165-7, 171, 193 experimentation, 143-4, 164, 190, 223 exposure opportunities, 108, 112-13, 190, hallucinations see psychotic disorders 205, 211 hallucinogens, 37, 91, 97, 104, 109, 112-13, 133, 216 F hard drugs (heroin and cocaine): faintness, 39 cardiovascular effects, 61; crack epidemic, family circumstances, 29, 92, 107, 117-19, 157; crime and delinquency, 124, 236-9; 163, 216 dependence, 71, 89; economic costs, 139; family history see genetic vulnerability education, 180, 219; enforcement, 169, females: cancers, 48; cannabis dependence, 171-4; evaluation of health risks, 5; 74, 76; educational performance, 115, 118; international agreements, 1; patterns of mental health, 123, 144; patterns of use, use, 22, 105, 132; pregnancy, 81; psychotic 21-4, 27; reproductive effects, 54, 59, disorders, 97; public health, 139-40; see 214-15 (see also pregnancy) also complementary drug use; drug fines see civil sanctions substitution; gateway hypothesis harms of cannabis use, 9, 186; Finland, 25, 28 flashbacks, 36, 132 decriminalisation and, 1-3, 221-2; legalisation and, 211-12, 223-4; see also foetal development, 55-7 food see appetite stimulation; oral adverse health effects; cannabis abuse; administration cannabis dependence France, 25, 28, 44, 96, 167 hash (hashish), 13-14, 17, 79, 192 frequency of use, 6, 85, 133, 140, 164; crime, hash hungries see appetite stimulation 237; drug substitution, 146; employment, hash oil, 13-14, 17 120; gateway hypothesis, 107-8; health health costs, 9, 139, 212; see also health service effects, 37; psychological effects, 80; utilisation; public health suicide, 123; see also heavy users health education, 3, 187, 190-2; cost of prohibition, 179-81, 219, 224; law reform, G 140, 201, 221, 224-5 gaol see criminal sanctions health effects, x, xii, 1-4, 129, 213-17; alcohol gastrointestinal effects, 65, 135, 215 and tobacco compared with cannabis, 129, gateway hypothesis, x, 103, 104-14, 125, 216; 130-41; indirect, 131; policy and, 213, causal explanations of association, 216-17, 221-6; research, 5-7, 35, 37, 130, 105-14, 174; economic studies, 111-12; 139, 221-2, 225; see also adverse health exposure opportunities, 112-13; genetic effects health service utilisation, 43-4, 52, 59, 97, vulnerability to drug dependence, 106-9, 114; pharmacological hypotheses, 110-11, 121, 208 heart conditions see cardiovascular 114; selective recruitment, 106-9, 114; social environmental hypotheses, 112-14 effects



More information

294 Index

heart rate, 16, 39, 60-1, 65, 215 Italy, 166, 193 heavy users, 14, 186; cardiovascular effects, 60; cognitive effects, 80-1, 85, 125; gender, Jamaica, 14, 28, 52, 60, 70, 79-80 27; legalisation, 212 heroin see hard drugs (heroin and cocaine) joints, 14, 17, 25 high see euphoria HIV-AIDS: AIDS-related deaths, 44, 48, 53; immunological effects, 53, 59, 214; law reform see policy injecting drug users, 189; medical use, 65, learning, 83, 115 148-9, 154, 180-1, 215, 219, 228, 230, legal markets, 185-6, 211-12, 217; effects on 232 - 3use, 198-201, 223; enforcement, 168, 174; home cultivation: law reform, 169, 196, 200, monetary price, 205-7; potential models, 203, 207, 210-11, 221, 225; medical use, 195-7, 198; regulation and social norms, 229-31, 233-4 201-7; social costs, 207-10; social costs of homosexual men, 44, 53, 59, 149 enforcement, 209-10; social costs of use, hospitalisation see health service utilisation 208-9 hypertension, 60, 65, 132, 215 legal risk, 135, 160-2, 172, 174, 199-200, 207 hypnotic effects, 147 legalisation: alcohol and tobacco compared with cannabis, 129; de facto, 194; enforcement costs, 175; legal obstacles to, illicit drugs see hard drugs (heroin and 222-3; medical uses, 227-9, 234; policy cocaine) debate, 195-212, 213, 222, 225; proposals immunocompromised persons, 53, 59, 148-9 for, 2, 197-201; public health, 140; rates of immunological effects, 17, 37, 50-3, 58-9, use and, 223; reducing harms of use, 223-4 importation and smuggling, 170-1, 188, 190, liberty, 7-8, 158, 176-7, 181, 219, 224-5 195, 199, 207 licensing systems, 196-7, 203-4, 206-7, India, 4, 14, 87-8, 146 210-11, 221, 224 individual characteristics see personality and liver function, 65, 135, 157, 208, 215 attitudinal traits long-term effects see chronic health effects individual liberty see liberty long-term users see chronic cannabis use industrial hemp, 168, 196-7, 207 lung cancer, 47, 62, 65, 137 infectious diseases, 52, 58, 149, 214 lungs, effects on, 52, 62-3, 65, 135, 151, 214, information processing, 81-3, 119, 215 228 injection, 14, 147 international agreements, 1, 7, 195, 222-3, M males: cancers, 48; cannabis dependence, 74, 76; cognitive functioning, 79; delinquency, international comparisons see cross-national 124; educational performance, 115, 118; comparisons interpersonal relationships, 103, 121 patterns of use, 22-5, 27-8, 90; reproductive effects, 54-5, 59, 214-15; intoxicants, 6, 106, 114 intoxication, 6, 17; acute effects, 131-5, self-harmful behaviour, 123 213-14; adolescents, 103, 119, 125, 132, marijuana, 13-14, 17 209; alcohol, 42, 45, 157; cannabinoids, Marinol (dronabinol), 65, 148, 227, 230 16-17, 132-3; chronic, 120; delinquency, markets see blackmarkets; legal markets 124; psychological effects, 38, 71-2, 74-5, marriage, 21-2, 29, 120-1 medical care see health service utilisation 80; psychomotor effects, 39-42; rates of medical uses: benefits, 129, 146-54, 219; use, 186 IQ, 57-8, 81, 83, 93 biology, 17; debate on, 4, 227-35; history, 14; initiatives, x, 188, 193, 229-32, 233-4; Ireland, 28



More information

295 Index

loss of, under prohibition, 7, 180-1, 224; 0 obstacles to, 153, 234-5; psychological occupational performance see employment effects, 38; registration for, 228-9, 231; see Oceania, 26-7 opiates, 72, 79, 107, 138-9, 147 also appetite stimulation memory, 17, 38, 58, 76, 79-80, 83, 85, 87-9, opioids, 6, 71, 109-11, 114, 151 opportunity costs, 166, 170 115, 131, 135, 213, 215 mental health, xii, 87; adolescents, 103, 117, oral administration, 14-15, 38, 73, 140, 147, 121-3, 125, 216; benefits of cannabis use, 149, 151, 227-8 142-4, 153, 219; see also psychotic overdose see dosage disorders metabolites, 15-17, 42, 44 Mexico, 188 pain modulation see analgesic effects Middle East, 146 panic, 36, 38, 131, 209, 213 paranoia, 131 monetary costs see economic costs monetary price see price parents see family circumstances monopolies, 203-4, 206, 211, 224 peer groups, 107-8, 112-15, 117-18, 120-1, mood, 17, 39, 73, 122, 143 124-5, 216 moral theories, 5-6, 8-9 penalties, 7, 162-3, 185, 188-94, 208, 218, morbidity, 130, 138-40 220, 222; see also civil sanctions; criminal mortality, 43-4, 130, 135, 138-9, 142, 208, sanctions; treatment 213-14, 222 perceptual alterations, 38, 58, 96 motivational effects, 69-71, 75, 78, 119 personality and attitudinal traits, 103, 105-8, motor performance, 17, 38, 150-1 112, 114, 117, 131, 134, 239 motor vehicle accidents see driving pharmaceutical drugs, 65, 147-8, 153, 188, movement disorders, 149, 150-1 227-8, 230, 235 multiple sclerosis (MS), 149-51, 180-1, pharmacology: effects, 6, 237-8; gateway hypothesis, 105, 110-11, 112, 114, 174, 232 - 3216; medical uses, 151, 153 munchies see appetite stimulation muscle spasticity see anti-spasmodic use 'pills' see amphetamines; tranquillisers mutagenicity, 46-50, 58, 64 policing: enforcement of prohibition, 167-71, 175, 189-90, 217-18, 224; legal markets, 193-4, 199-200, 209, 212; quality-of-life, nabilone, 227 168, 171, 209 narcotic drugs, 1, 91, 124, 147 policy: alternatives, 7, 9, 172, 183-226 (see nausea see anti-emetic use also decriminalisation; legalisation; Netherlands, xi, 7, 28, 94, 161, 163, 194-6, prohibition of cannabis); changes, 144, 204, 222-3, 237-8 161-2, 175; choice of evils, 224-6; debate, neural systems, 39, 110, 114, 151 xii, 1-5, 7-9, 129, 157-8, 179, 181, 187, neuroleptic drugs, 87, 92, 96, 99 213, 225-6; drug involvement patterns, neurological disorders, 149-51, 180-1, 232-3; 105; economic studies, 111; effect on use, see also anti-spasmodic use 161-3; health effects and, 216-17; neurotoxicity, 84-5 prevention, 111; reform, x, 157, 219-24; New Zealand: adolescent cannabis use, 105-7, research, 4, 226; simplifications, 2-3, 213, 113, 116-17, 122, 125; cannabis 216, 226 dependence, 74; driving accidents, 45; Portugal, 28, 166-7, 193-4 enforcement, 178; mental health, 143; possession: legal, 195, 197, 202, 208, 225; psychotic effects, 88-9, 95; respiratory offences, xi, 159-62, 165-9, 175, 185, effects, 64 187-94, 196, 222, 229, 237 nicotine see tobacco potency, 14, 17, 173, 197, 205, 218, 221, 223; Norway, 26, 28 control, 204, 209; increases in, 13, 132, 133



More information

296 Index

poverty see socioeconomic status alcohol, tobacco and illicit drugs, 129-30, pregnancy: alcohol use, 134; cannabis use 136-7, 138-40, 144; policy, 6, 205 during, 21-2, 49-50, 54-9, 81, 131-2, 134, public policy see policy 137, 141, 214-15; health education, 201; inappropriate use of cannabis, 164; teenage, 106, 119-21; see also birth defects; quality control, 9, 172-3, 177, 209, 222 birth weight premature death see mortality R race and ethnicity, 146, 153, 178 prevention studies, 111 price: blackmarkets, 161-2, 172, 211, 238; rates of use: decriminalisation and, 220, 225; economic studies, 111, 144-6; legal Europe, xi; legalisation and, 140, 197-8, markets, 9, 174-5, 198-200, 205-7, 200, 204, 207-8, 211-12, 223; policy and, 208-12, 223 159, 162-3, 168-9, 171, 186 prohibition of alcohol, 7, 157-8, 188, 190 receptors see cannabinoid receptors prohibition of cannabis: benefits, 157-8, recreational use: benefits, ix, 129, 142-6, 153, 163-4; complete, 187-90; costs, 163-4, 176, 219; biology, 17; dysphoric effects, 36, 176-81, 213, 217-20, 224-5; crime, 236, 38, 131; effects sought, 36, 38; enforcement of prohibition, 168-9; 238; deterrence and, 175, 179, 217–18, 220; enforcement (see enforcement); history, 21-2, 29, 188; legalisation, 198, impact on use, 159-64; medical use and, 208; medical use and, 147, 149-50, 227-9, 227; policy, 1-3, 6-7, 157, 185, 194, 198, 232, 234; policy, x, 4, 129 209, 211, 213; public health, 140, 216-17; registration for medical use, 228-9, 231 regulation, 9, 173-5, 177, 185-6, 198-207, social costs, 157-8; variants, 185, 187-94 208-10, 212, 221-2, 224-5; see also psychiatric disorders, 70-2, 81-2, 89, 91-5, licensing systems 121, 123-4, 135 relaxation, 36, 38, 142, 176, 213, 219 psychoactive drugs, 6, 22, 71, 130 reproductive effects, 17, 53-8, 214-15 psychoactive effects, 4, 13, 15-17, 36, 51, reputation see criminal records respect for law see disrespect for law 87-91, 148, 151-2, 236 psychological effects, 17, 129, 131-3, 221-3; respiratory tract: cancers, 48, 58, 64, 136-7, acute, 38, 45, 119, 213-14; adolescents, 35, 141, 214-15, 222; effects on, 17, 52, 59, 103, 115-25, 216; animal studies, 34; 61-4, 131-7, 141, 215, 222, 224; health chronic cannabis use, 67-100, 213-16; see education, 201, 221 also cognitive effects retail markets, 173-4, 194-6, 203-4, 223, 225 psychomotor effects, 16-17, 38, 45, 72, 119, risk-taking behaviour, 107, 118, 140 131, 134, 209, 213-14 risks of cannabis use, 130, 136-8 psychopharmacology, 236-7 psychostimulants, 6, 75, 91, 96-7, 109-10, 123 psychotic disorders: acute effects of cannabis sale see supply use, 36, 38, 131, 213; adolescents, 121-2; schizophrenia, 69, 89; association with alcohol, 157; causal inferences, 87, 88; cannabis use, 87-8, 91-2; exacerbation, chronic cannabis use, 69, 87-100, 135, 96-7, 99, 132; health education, 201; 216; regulation, 209, 222-4; symptoms, precipitation of, 92-6, 99, 132, 135, 216; 89-90, 99; treatment, 97; vulnerability to, research, 90-1, 98-9; risks, 94, 132, 137, 141; self-medication, 98; treatment, 99; 95-6, 99, 131, 216; see also 'cannabis psychosis'; schizophrenia violence, 125 school leaving, 106-7, 115, 119-20, 216; see public education see health education public health: burden of disease, 139-40; also educational performance changes in prevalence of cannabis use, sedatives, 91, 109, 123 140; current patterns of use, 141; selective recruitment, 106-8, 114 immunological effects, 50, 52; impact of self-esteem, 75-6, 107

More information

297 Index

self-medication, 98, 122 sensitisation see pharmacology sequence of drug use see gateway hypothesis sexual behaviour, 38, 53, 105-7, 118-19 smoking see cannabis smoking; tobacco smuggling see importation and smuggling sociability, 38, 98, 114, 142, 176, 213, 219 social costs: cannabis-control policies, 7-9, 186, 191; comparisons with alcohol and tobacco, 138; enforcement of prohibition, 165, 171-3, 217-18; law reform, 2, 197-8, 200-1, 207-10 social environment: cannabis as gateway drug, 105, 109, 112-13, 114; educational performance, 117, 120, 125; interpersonal relationships, 121; suicide, 123 social norms: health education, 180, 190; legal markets and regulation, 140, 197-8, 200, 201-7, 212, 222-3, 225-6; regulating demand, 163, 201-2; regulating supply, 202-5; values, 8-9 social performance see psychological effects social policy see policy socioeconomic status, 28, 70, 107, 117, 123, 178 South Africa, 88 South America, 26-8 Spain, 25, 28, 166, 193 special case, cannabis as, 3, 6 spinal cord injuries, 149-50, 233 stepping stone hypothesis see gateway hypothesis stimulants, 6, 75, 91, 96-7, 109-10, 123 subculture, 112, 114, 216 substance dependence see drug dependence substitution, 144--6, 153, 219 suicide, 122, 123-4, 134-5 supply: law reform, 161, 185-6, 195-9, 202-6, 220-2, 224; medical uses, 234; prohibition, 159, 175, 185, 187–8, 190, 193, 195–6, 234 (see also enforcement); see also cultivation Sweden, 25, 28, 43, 88, 92-4, 179, 187-8, Switzerland, x, 25-6, 122, 143, 167-9, 178, 194, 197, 205, 207; de facto legalisation,

taxation: blackmarket and, 166, 172, 174–5, 219, 225; economic studies, 111, 144; legal markets, 199–200, 206–7, 211, 222–3

THC see cannabinoids thinking see cognitive effects tobacco: deaths caused by fires, 131; dependence, 75, 78, 109; drug substitution, 146; gateway hypothesis, 104, 106-7, 110-11, 113, 216; health effects, 6, 37, 44, 47–50, 61–4, 129, 130–41, 215, 217, 221; market regulation, 199, 201-2, 205, 207-8, 222; mental health, 90, 98, 121-2; patterns of use, 21-2, 160, 211; policy, 3, 223-4; pregnancy, 215; price, 212; risks, 141; smoke, 47, 58, 131, 134, 214-15; used with cannabis, 14, 56-8, 84 tolerance of effects, 52, 58, 60-1, 71-4, 78, 133, 149, 214-15 toxicity see dosage tranquillisers, 37, 93, 104, 112-13, 216 treatment, 185, 187, 189-94, 220 tremors and startle, 57-8, 150-1

U

unemployment see employment United Kingdom: cannabis use in, xi, 25–6, 28, 159–60; crime, 236; medical uses, 147, 227–8, 232, 234–5; policies, 1, 166–7; psychotic effects, 88; reproductive effects, 56

United States: adolescent cannabis use, 103-5, 112-13, 115, 118, 122-4, 211; alcohol prohibition, 7, 157; cannabis dependence, 73-4, 76, 78, 137-8; cannabis prohibition, 187, 188-9; cannabis use, 4, 18-19, 18-22, 19-23, 26-9, 145, 159-63, 208; crime, 236-9; driving accidents, 42; drug dependence, 78; drug substitution, 145-6; federal-state conflicts, 192-3, 229-32, 234; health effects, 53, 131; health service use, 208; home cultivation, 210, 229-31; medical uses, x, 147-9, 180-1, 227-8, 229-32, 234-5; policies, x-xi, 1, 165-8, 170-5, 178-9, 187-9, 191-3, 197-205, 220; potency of cannabis, 13, 133; psychological effects, 70, 79, 99, 143-4; taxation, 207

urine, detection of cannabinoids in, 16–17, 83 use: controlling, 78; costs of, 186; crime and, 236–9; discontinuance, 75, 159; duration (see duration of use); experimentation, 143–4, 164, 190, 223; factors associated with, 26–8; frequency (see frequency of use); inappropriate, 164; law reform, 163,



More information

298 Index

198–201, 208–9, 222; measuring, 18–26; occasional and intermittent, 23, 159, 164, 192, 194, 208; offences, x, 175; patterns of, 18–29, 105, 133, 140–1, 178, 198, 223; prohibition, 159–64, 185, 187–94 (*see also* enforcement); rates (*see* rates of use); research on, 4; restrictions on, 197, 202; trends, 18, 20, 23–5, 140; *see also* benefits of cannabis use; harms of cannabis use; possession

V values, 8–9 violence and aggression: alcohol use, 131, 134–5, 144, 237; cannabis use, 96, 124–5, 236–7; market-related, 166, 172, 238–9; withdrawal, 73 visual system, 57–8; see also glaucoma vomiting see anti-emetic use vulnerability see genetic vulnerability

W water pipes (bongs), 14, 17, 25 weight gain see appetite stimulation withdrawal, 71–4, 76–8, 134–5, 138, 215, 238

Y
young adults: cancer, 214; cannabis
dependence, 78; cannabis use, 1, 18–29,
188; cardiovascular effects, 60–1, 215;
drug substitution, 144–6; employment,
120–1; gateway hypothesis, 105, 112–13;
interpersonal relationships, 121;
legalisation and use, 212; mental health,
122–3, 144; prohibition and, 159–60;
public health, 50, 141; reproductive
effects, 53–4; respiratory effects, 62–3;
schizophrenia, 99; see also disrespect for
law
youth see adolescents