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Health-Care Utilization as a Proxy in Disability Determination - National Academies of Sciences, Engineering, and Medicine
2018-04-02

The Social Security Administration (SSA) administers two programs that provide benefits based on disability: the Social Security Disability Insurance (SSDI) program and the Supplemental Security Income (SSI) program. This report analyzes health care utilizations as they relate to impairment severity and SSA's definition of disability. Health Care Utilization as a Proxy in Disability Determination identifies types of utilizations that might be good proxies for "listing-level" severity; that is, what represents an impairment, or combination of impairments, that are severe enough to prevent a person from doing any gainful activity, regardless of age, education, or work experience.

Owning a Body + Moving a Body = Me? - Lorenzo Pia 2019-05-16

The conscious experience of the bodily self is a cornerstone of human nature, which allows us to delineate the boundaries between the surrounding environment and us. A plethora of clinical and experimental investigations has clearly demonstrated that bodily self-consciousness draws on different neuro-cognitive mechanisms with distinct anatomo-functional underpinnings. Among these, the sense of body ownership (i.e., my body belongs to me), and the sense of agency (i.e., I am the author of my actions) have attracted increasing interest in recent years. The former seems to be strongly rooted in afferent sensory signals, whereas the latter appears to be rooted in

efferent motor signals and/or the monitoring of their sensory consequences. Despite the consensus that the interplay between body ownership and the sense of agency contribute to the omnipresent conscious experience of the bodily self, the character and the form of this relationship remain unclear. Though research into the mechanisms underlying ownership (e.g., bodily illusions) or on agency (e.g., intentional binding) is blooming, very few studies have aimed to investigate both these processes at the same time. Therefore, many questions remain unresolved: for example, how do the experiences of ownership and agency influence each other? What are the anatomo-functional substrates of their interplay, and how does damage to these structures affect the experience of either ownership or agency (or both) in clinical populations? What is the specific role of efferent and afferent signals, and how may these be complimented by other inputs like emotional or interoceptive cues? And going beyond the mechanisms and anatomo-functional substrates, are there rational relations between the representations underlying body ownership and agency so that ownership can be seen as a condition on intentional action and a sense of agency? Elucidating the complex relationship between ownership and agency is a crucial step in our understanding of bodily self-consciousness, and may help us to better understand the variety of neurological/psychiatric disorders affecting the perception of one's own body and its movements. These insights can contribute to the development of future prosthetic devices or

virtual-reality applications, which may in turn allow for new approaches in neuroscience, rehabilitative medicine, and therapeutic interventions.

Global Trends 2030 - Office of the Director of National Intelligence Council 2017-03-11

This publication covers global megatrends for the next 20 years and how they will affect the United States. This is the fifth installment in the National Intelligence Council's series aimed at providing a framework for thinking about possible futures and their implications. The report is intended to stimulate strategic thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories during the next 15-20 years by identifying critical trends and potential discontinuities. The authors distinguish between megatrends, those factors that will likely occur under any scenario, and game-changers, critical variables whose trajectories are far less certain. NIC 2012-001. Several innovations are included in Global Trends 2030, including: a review of the four previous Global Trends reports, input from academic and other experts around the world, coverage of disruptive technologies, and a chapter on the potential trajectories for the US role in the international system and the possible the impact on future international relations.

Table of Contents: Introduction 1 Megatrends 6 Individual Empowerment 8 Poverty Reduction 8 An Expanding Global Middle Class 8 Education and the Gender Gap 10 Role of Communications Technologies 11 Improving Health 11 A MORE CONFLICTED IDEOLOGICAL LANDSCAPE 12 Diffusion of Power 15 THE RISE AND FALL OF COUNTRIES: NOT THE SAME OLD STORY 17 THE LIMITS OF HARD POWER IN THE WORLD OF 2030 18 Demographic Patterns 20 Widespread Aging 20 Shrinking Number of Youthful Countries 22 A New Age of Migration 23 The World as Urban 26 Growing Food, Water, and Energy Nexus 30 Food, Water, and Climate 30 A Brighter Energy Outlook 34 Game-Changers 38 The Crisis-Prone Global Economy 40 The Plight of the West 40 Crunch Time Too for the Emerging Powers 43 A Multipolar Global Economy: Inherently More Fragile? 46 The Governance Gap 48 Governance Starts at Home: Risks and Opportunities 48 INCREASED FOCUS ON EQUALITY AND OPENNESS 53 NEW

GOVERNMENTAL FORMS 54 A New Regional Order? 55 Global Multilateral Cooperation 55 The Potential for Increased Conflict 59 INTRASTATE CONFLICT: CONTINUED DECLINE 59 Interstate Conflict: Chances Rising 61 Wider Scope of Regional Instability 70 The Middle East: At a Tipping Point 70 South Asia: Shocks on the Horizon 75 East Asia: Multiple Strategic Futures 76 Europe: Transforming Itself 78 Sub-Saharan Africa: Turning a Corner by 2030? 79 Latin America: More Prosperous but Inherently Fragile 81 The Impact of New Technologies 83 Information Technologies 83 AUTOMATION AND MANUFACTURING TECHNOLOGIES 87 Resource Technologies 90 Health Technologies 95 The Role of the United States 98 Steady US Role 98 Multiple Potential Scenarios for the United States' Global Role 101 Alternative Worlds 107 Stalled Engines 110 FUSION 116 Gini-out-of-the-Bottle 122 Nonstate World 128 Acknowledgements 134 GT2030 Blog References 137 Audience: Appropriate for anyone, from businesses to banks, government agencies to start-ups, the technology sector to the teaching sector, and more. This publication helps anticipate where the world will be: socially, politically, technologically, and culturally over the next few decades. Keywords: Global Trends 2030 Alternative Worlds, global trends 2030, Global Trends series, National Intelligence Council, global trajectories, global megatrends, geopolitics, geopolitical changes *The 3-D Global Spatial Data Model* - Earl F. Burkholder 2017-07-28

Traditional methods for handling spatial data are encumbered by the assumption of separate origins for horizontal and vertical measurements, but modern measurement systems operate in a 3-D spatial environment. *The 3-D Global Spatial Data Model: Principles and Applications, Second Edition* maintains a new model for handling digital spatial data, the global spatial data model or GSDM. The GSDM preserves the integrity of three-dimensional spatial data while also providing additional benefits such as simpler equations, worldwide standardization, and the ability to track spatial data accuracy with greater specificity and convenience. This second edition expands to new topics that satisfy a growing need in the GIS, professional surveyor, machine control, and Big

Data communities while continuing to embrace the earth center fixed coordinate system as the fundamental point of origin of one, two, and three-dimensional data sets. Ideal for both beginner and advanced levels, this book also provides guidance and insight on how to link to the data collected and stored in legacy systems. *Russia's Military Modernisation: An Assessment* - The International Institute for Strategic Studies (IISS) 2020-09-29

This new IISS Strategic Dossier examines the recent development of Moscow's armed forces and military capabilities. It analyses the aspirations underpinning Russia's military reform programme and its successes as well as its failures. The book also provides insights into Russia's operational use of its armed forces, including in the intervention in Syria, the goals and results of recent state armament programmes, and the trajectory of future developments. This full-colour volume includes more than 50 graphics, maps and charts and over 70 images, and contains chapters on: Russia's armed forces since the end of the Cold War Strategic forces Ground forces Naval forces Aerospace forces Russia's approach to military decision-making and joint operations Economics and industry At a time when Russia's relations with many of its neighbours are increasingly strained, and amid renewed concern about the risk of an armed clash, this dossier is essential reading for understanding the state, capabilities and future of Russia's armed forces.

Traffic Management Procedures Guide - United States. Marine Corps 1987

ICCWS 2017 12th International Conference on Cyber Warfare and Security - Dr. Robert F. Mills 2017

Communities in Action - National Academies of Sciences, Engineering, and Medicine 2017-04-27

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her

behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

ICMLG 2017 5th International Conference on Management Leadership and Governance - Academic Conferences and Publishing Limited 2017-03

"ECEG2016-Proceedings of 16th European Conference on e-Government ECEG 2016" - Mitja Decman 2016-06-02

Disease Control Priorities, Third Edition (Volume 9) - Dean T. Jamison 2017-12-06

As the culminating volume in the DCP3 series, volume 9 will provide an overview of DCP3 findings and methods, a summary of messages and substantive lessons to be taken from DCP3, and a further discussion of cross-cutting and synthesizing topics across the first eight volumes. The introductory chapters (1-3) in this volume take as their starting point the elements of the Essential Packages presented in the overview chapters of each volume. First, the chapter on intersectoral policy priorities for health includes fiscal and intersectoral policies and assembles a subset of the population policies and applies strict criteria for a low-income setting in order to propose a "highest-priority" essential package. Second, the chapter on packages of care and delivery platforms for universal health coverage (UHC) includes health sector interventions, primarily clinical and public health services, and uses the same

approach to propose a highest priority package of interventions and policies that meet similar criteria, provides cost estimates, and describes a pathway to UHC.

Women's Under-Representation in the Engineering and Computing Professions: Fresh Perspectives on a Complex Problem - Kathleen Buse 2018-06-21

Understanding the many complexities that define gender inequality has been described by researchers as a grand challenge. Novel insights, innovation, a broader community to conduct research and to ascertain effective interventions are essential in the challenge to create organizations that are gender equal. As such, this Research Topic in *Frontiers in Psychology* addresses the under-representation of women in engineering and computing as a complex, but solvable problem. This Research Topic seeks to inform the global community about advances in understanding the under-representation of women in engineering and computing with a focus on what enables change. Further, this Topic will promote fresh perspectives, innovative methodologies, and mixed method approaches important to accelerating the pace of change.

The Handbook of the Law of Visiting Forces - Dieter Fleck 2018-04-12

The legal position of visiting forces transcends domestic and international law and is of growing importance in our increasingly globalized and insecure world. 'In area' and 'out of area' operations, both for the purpose of establishing and maintaining peace and in connection with the conduct of other military operations and training, are likely to become more frequent for a variety of reasons. Finding where the applicable law places the balance between the interests, sensitivities and needs of the host state and the requirements, often practical in nature, of the visiting force is a key objective in ensuring that the relationship between hosts and 'guests' is and remains harmonious. All of this must be achieved in an increasingly complex legal environment. This fully updated second edition of *The Handbook of the Law of Visiting Forces* addresses the issues surrounding visiting forces and provides a full overview of the legal framework in which they operate. Through an analysis of jurisprudence and historical

developments, it offers a comparative commentary to the UN, NATO, and other SOFA rules. The Handbook then continues its analysis through cases studies of visiting forces in key countries, including a fully updated chapter on Afghanistan that considers the various stages of the conflict, before offering conclusions on the current state of the law and its likely future development.

Territoriality of Radical Islamist Groups - Bohumil Doboš 2021-05-04

This book examines the issue of territorial control by violent jihadist groups, using a comparative perspective. The book argues that in many parts of the world the connection between a state and the control over territory is not as close as presented by conventional political maps, and therefore it is necessary to analyse the territoriality of non-state actors as well. Based on a variety of case studies, the work looks at different levels of connection between the violent Islamist groups and territory, dividing them into non-territorial, semi-territorial and territorial groups. While the majority of the cases are located in the Middle East (Islamic State, Al-Qaeda, Al-Qaeda at the Arabian Peninsula, Ha'yat Tahrir al-Sham, Hamas and Hezbollah), the book also draws cases from Africa (groups in the western Sahel, Al-Shabaab and Boko Haram), South Asia (Taliban), and East Asia (Abu Sayyaf). By providing in-depth understanding of their respective approaches to territory, the book identifies the specifics of each group's territoriality, while also drawing more general conclusions. This book will be of much interest to students of terrorism and political violence, radical Islam, Middle Eastern studies, and International Relations in general.

Time Domains of Hypoxia Adaptation: Evolutionary Insights and Applications - Tatum S. Simonson 2021-12-22

ECCWS 2018 17th European Conference on Cyber Warfare and Security V2 - Audun Jøsang 2018-06-21

A First Course in Probability - Sheldon M. Ross 2002

This market-leading introduction to probability features exceptionally clear explanations of the

mathematics of probability theory and explores its many diverse applications through numerous interesting and motivational examples. The outstanding problem sets are a hallmark feature of this book. Provides clear, complete explanations to fully explain mathematical concepts. Features subsections on the probabilistic method and the maximum-minimums identity. Includes many new examples relating to DNA matching, utility, finance, and applications of the probabilistic method. Features an intuitive treatment of probability—intuitive explanations follow many examples. The Probability Models Disk included with each copy of the book, contains six probability models that are referenced in the book and allow readers to quickly and easily perform calculations and simulations.

Information and Communication Technologies in Tourism 2015 - Iis Tussyadiah 2015-01-27

The papers presented in this volume advance the state-of-the-art research on big data and analytics, social media, electronic marketing, mobile computing and recommender systems, mobile sensors and geosocial services, augmented reality, wearable computing, smart tourism, electronic distribution for tourism and hospitality products and services, e-learning, responsive web design and management, and eTourism for development. This book covers the most significant areas contributed by prominent scholars from around the world and is suitable for both academics and practitioners who are interested in the latest developments in e-Tourism.

How Learning Works - Susan A. Ambrose 2010-04-16

Praise for How Learning Works "How Learning Works is the perfect title for this excellent book. Drawing upon new research in psychology, education, and cognitive science, the authors have demystified a complex topic into clear explanations of seven powerful learning principles. Full of great ideas and practical suggestions, all based on solid research evidence, this book is essential reading for instructors at all levels who wish to improve their students' learning." —Barbara Gross Davis, assistant vice chancellor for educational development, University of California, Berkeley, and author, *Tools for Teaching* "This book is a

must-read for every instructor, new or experienced. Although I have been teaching for almost thirty years, as I read this book I found myself resonating with many of its ideas, and I discovered new ways of thinking about teaching." —Eugenia T. Paulus, professor of chemistry, North Hennepin Community College, and 2008 U.S. Community Colleges Professor of the Year from The Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education "Thank you Carnegie Mellon for making accessible what has previously been inaccessible to those of us who are not learning scientists. Your focus on the essence of learning combined with concrete examples of the daily challenges of teaching and clear tactical strategies for faculty to consider is a welcome work. I will recommend this book to all my colleagues." —Catherine M. Casserly, senior partner, The Carnegie Foundation for the Advancement of Teaching "As you read about each of the seven basic learning principles in this book, you will find advice that is grounded in learning theory, based on research evidence, relevant to college teaching, and easy to understand. The authors have extensive knowledge and experience in applying the science of learning to college teaching, and they graciously share it with you in this organized and readable book." —From the Foreword by Richard E. Mayer, professor of psychology, University of California, Santa Barbara; coauthor, *e-Learning and the Science of Instruction*; and author, *Multimedia Learning Global Trends 2030* - National Intelligence Council (U.S.) 2012

This report is intended to stimulate thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories over the next 15 years. As with the NIC's previous Global Trends reports, we do not seek to predict the future, which would be an impossible feat, but instead provide a framework for thinking about possible futures and their implications. In-depth research, detailed modeling and a variety of analytical tools drawn from public, private and academic sources were employed in the production of *Global Trends 2030*. NIC leadership engaged with experts in nearly 20 countries, from think tanks, banks, government offices and business

groups, to solicit reviews of the report.

Sexual Assault Prevention and Response - 2013

This instruction updates policy and procedural guidance for the Department of the Navy (DON) Sexual Assault Prevention and Response (SAPR) Program.

The Tongue and Quill - Air Force 2019-10-11

The Tongue and Quill has been a valued Air Force resource for decades and many Airmen from our Total Force of uniformed and civilian members have contributed their talents to various editions over the years. This revision is built upon the foundation of governing directives and user's inputs from the unit level all the way up to Headquarters Air Force. A small team of Total Force Airmen from the Air University, the United States Air Force Academy, Headquarters Air Education and Training Command (AETC), the Air Force Reserve Command (AFRC), Air National Guard (ANG), and Headquarters Air Force compiled inputs from the field and rebuilt The Tongue and Quill to meet the needs of today's Airmen. The team put many hours into this effort over a span of almost two years to improve the content, relevance, and organization of material throughout this handbook. As the final files go to press it is the desire of The Tongue and Quill team to say thank you to every Airman who assisted in making this edition better; you have our sincere appreciation!

The Victorian Army and the Staff College

1854-1914 - Brian Bond 2015-10-05

A pioneering work in British military history, originally published in 1972, this book is both scholarly and entertaining. Although the book concentrates on a single institution, it illuminates a much wider area of social and intellectual change. For the Army the importance of the change was enormous: in 1854 there was neither a Staff College nor a General Staff, and professional education and training were largely despised by the officers: by 1914 the College could justly be described as 'a school of thought' while the officers it had trained were coming to dominate the highest posts in Commands and on the General Staff.

Occupational Outlook Handbook - United States. Bureau of Labor Statistics 1976

U.S. Tax Guide for Aliens - 1998

The Fourth Industrial Revolution - Klaus Schwab 2017-01-03

World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning:

nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine "smart factories" in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

Working Towards a Blue Future: Promoting Sustainability, Environmental Protection and Marine Management: Examples from the UK Government Blue Belt Programme and Current International Initiatives - Paul Whomersley 2022-03-14

The Routledge Handbook to Rethinking Ethics in International Relations - Birgit Schippers

2020-05-21

Discussing cutting-edge debates in the field of international ethics, this key volume builds on existing work in the normative study of international relations. It responds to a substantial appetite for scholarship that challenges established approaches and examines new perspectives on international ethics, and that appraises the ethical implications of problems occupying students and scholars of international relations in the twenty-first century. The contributions, written by a team of international scholars, provide authoritative surveys and interventions into the field of international ethics. Focusing on new and emerging ethical challenges to international relations, and approaching existing challenges through the lens of new theoretical and methodological frameworks, the book is structured around five themes: • New directions in international ethics • Ethical actors and practices in international relations • The ethics of climate change, globalization, and health • Technology and ethics in international relations • The ethics of global security Interdisciplinary in its scope, this book will be an important resource for scholars and students in the fields of politics and international relations, philosophy, law and sociology, and a useful reference for anyone who wishes to acquire 'ethical competence' in the area of international relations.

Ruling Nature, Controlling People - Luregn Lenggenhager 2018

Recent nature conservation initiatives in Southern Africa such as communal conservancies and peace parks are often embedded in narratives of economic development and ecological research. They are also increasingly marked by militarisation and violence. In *Ruling Nature, Controlling People*, Luregn Lenggenhager shows that these features were also characteristic of South African rule over the Caprivi Strip region in North-Eastern Namibia, especially in the fields of forestry, fisheries and, ultimately, wildlife conservation. In the process, the increasingly internationalised war in the region from the late 1960s until Namibia's independence in 1990 became

intricately interlinked with contemporary nature conservation, ecology and economic development projects. By retracing such interdependencies, Lenggenhager provides a novel perspective from which to examine the history of a region which has until now barely entered the focus of historical research. He thereby highlights the enduring relevance of the supposedly peripheral Caprivi and its military, scientific and environmental histories for efforts to develop a deeper understanding of the ways in which apartheid South Africa exerted state power.

Medical and Dental Expenses - 1990

The 71F Advantage - National Defense University Press 2010-09-01

Includes a foreword by Major General David A. Rubenstein. From the editor: "71F, or "71 Foxtrot," is the AOC (area of concentration) code assigned by the U.S. Army to the specialty of Research Psychology. Qualifying as an Army research psychologist requires, first of all, a Ph.D. from a research (not clinical) intensive graduate psychology program. Due to their advanced education, research psychologists receive a direct commission as Army officers in the Medical Service Corps at the rank of captain. In terms of numbers, the 71F AOC is a small one, with only 25 to 30 officers serving in any given year. However, the 71F impact is much bigger than this small cadre suggests. Army research psychologists apply their extensive training and expertise in the science of psychology and social behavior toward understanding, preserving, and enhancing the health, well being, morale, and performance of Soldiers and military families. As is clear throughout the pages of this book, they do this in many ways and in many areas, but always with a scientific approach. This is the 71F advantage: applying the science of psychology to understand the human dimension, and developing programs, policies, and products to benefit the person in military operations. This book grew out of the April 2008 biennial conference of U.S. Army Research Psychologists, held in Bethesda, Maryland. This meeting was to be my last as Consultant to the Surgeon General for Research Psychology, and I thought it would be a good idea to publish proceedings, which

had not been done before. As Consultant, I'd often wished for such a document to help explain to people what it is that Army Research Psychologists "do for a living." In addition to our core group of 71Fs, at the Bethesda 2008 meeting we had several brand-new members, and a number of distinguished retirees, the "grey-beards" of the 71F clan. Together with longtime 71F colleagues Ross Pastel and Mark Vaitkus, I also saw an unusual opportunity to capture some of the history of the Army Research Psychology specialty while providing a representative sample of current 71F research and activities. It seemed to us especially important to do this at a time when the operational demands on the Army and the total force were reaching unprecedented levels, with no sign of easing, and with the Army in turn relying more heavily on research psychology to inform its programs for protecting the health, well being, and performance of Soldiers and their families."

Safety and Reliability: Methodology and Applications - Tomasz Nowakowski 2014-09-01
Within the last fifty years the performance requirements for technical objects and systems were supplemented with: customer expectations (quality), abilities to prevent the loss of the object properties in operation time (reliability and maintainability), protection against the effects of undesirable events (safety and security) and the ability to

Yearbook of International Humanitarian Law, Volume 20, 2017 - Terry D. Gill 2018-12-20
The main theme of this volume of the Yearbook of International Humanitarian Law is the development and interpretation of international humanitarian law (IHL). It is elaborated upon in several chapters that examine the role of non-state armed groups in the development and interpretation of IHL, the impact of international criminal law on the development of IHL, the notion of external non-international armed conflicts, and the regulation of prolonged occupation under international law. The second theme of this volume is dedicated to targeting in armed conflicts. Specific topics include precautions in attack in urban and siege warfare, the targeting of the Islamic State's religious personnel in Iraq and Syria, and the targeting of illicit crops through aerial spraying

in Colombia. Besides the chapters that address both themes, this volume also contains a Year in Review describing the most important events and legal developments that took place in 2017. The Yearbook of International Humanitarian Law is the world's only annual publication devoted to the study of the laws governing armed conflict. It provides a truly international forum for high-quality, peer-reviewed academic articles focusing on this crucial branch of international law. Distinguished by contemporary relevance, the Yearbook of International Humanitarian Law bridges the gap between theory and practice and serves as a useful reference tool for scholars, practitioners, military personnel, civil servants, diplomats, human rights workers and students. *Global Trends 2040* - National Intelligence Council 2021-03

"The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with health, economic, political, and security implications that will ripple for years to come." - *Global Trends 2040* (2021)
Global Trends 2040-A More Contested World (2021), released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a contested, fragmented and turbulent world. It specifically discusses the four main trends that will shape tomorrow's world: - Demographics-by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics-increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology-the emergence of new technologies could both solve and cause problems for human life. Students of trends, policymakers, entrepreneurs, academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

Army RD & A Bulletin - 1982

Ending Discrimination Against People with Mental and Substance Use Disorders - National Academies of Sciences, Engineering,

and Medicine 2016-09-03

Estimates indicate that as many as 1 in 4 Americans will experience a mental health problem or will misuse alcohol or drugs in their lifetimes. These disorders are among the most highly stigmatized health conditions in the United States, and they remain barriers to full participation in society in areas as basic as education, housing, and employment. Improving the lives of people with mental health and substance abuse disorders has been a priority in the United States for more than 50 years. The Community Mental Health Act of 1963 is considered a major turning point in America's efforts to improve behavioral healthcare. It ushered in an era of optimism and hope and laid the groundwork for the consumer movement and new models of recovery. The consumer movement gave voice to people with mental and substance use disorders and brought their perspectives and experience into national discussions about mental health. However over the same 50-year period, positive change in American public attitudes and beliefs about mental and substance use disorders has lagged behind these advances. Stigma is a complex social phenomenon based on a relationship between an attribute and a stereotype that assigns undesirable labels, qualities, and behaviors to a person with that attribute. Labeled individuals are then socially devalued, which leads to inequality and discrimination. This report contributes to national efforts to understand and change attitudes, beliefs and behaviors that can lead to stigma and discrimination. Changing stigma in a lasting way will require coordinated efforts, which are based on the best possible evidence, supported at the national level with multiyear funding, and planned and implemented by an effective coalition of representative stakeholders. Ending Discrimination Against People with Mental and Substance Use Disorders: The Evidence for Stigma Change explores stigma and discrimination faced by individuals with mental or substance use disorders and recommends effective strategies for reducing stigma and encouraging people to seek treatment and other supportive services. It offers a set of conclusions and recommendations about successful stigma change strategies and the research needed to

inform and evaluate these efforts in the United States.

Publications Combined - Over 100 Studies In Nanotechnology With Medical, Military And Industrial Applications 2008-2017

Over 7,300 total pages ... Just a sample of the contents: Title : Multifunctional Nanotechnology Research Descriptive Note : Technical Report,01 Jan 2015,31 Jan 2016 Title : Preparation of Solvent-Dispersible Graphene and its Application to Nanocomposites Descriptive Note : Technical Report Title : Improvements To Micro Contact Performance And Reliability Descriptive Note : Technical Report Title : Delivery of Nanotethered Therapies to Brain Metastases of Primary Breast Cancer Using a Cellular Trojan Horse Descriptive Note : Technical Report,15 Sep 2013,14 Sep 2016 Title : Nanotechnology-Based Detection of Novel microRNAs for Early Diagnosis of Prostate Cancer Descriptive Note : Technical Report,15 Jul 2016,14 Jul 2017 Title : A Federal Vision for Future Computing: A Nanotechnology-Inspired Grand Challenge Descriptive Note : Technical Report Title : Quantifying Nanoparticle Release from Nanotechnology: Scientific Operating Procedure Series: SOP C 3 Descriptive Note : Technical Report Title : Synthesis, Characterization And Modeling Of Functionally Graded Multifunctional Hybrid Composites For Extreme Environments Descriptive Note : Technical Report,15 Sep 2009,14 Mar 2015 Title : Equilibrium Structures and Absorption Spectra for SixOy Molecular Clusters using Density Functional Theory Descriptive Note : Technical Report Title : Nanotechnology for the Solid Waste Reduction of Military Food Packaging Descriptive Note : Technical Report,01 Apr 2008,01 Jan 2015 Title : Magneto-Electric Conversion of Optical Energy to Electricity Descriptive Note : Final performance rept. 1 Apr 2012-31 Mar 2015 Title : Surface Area Analysis Using the Brunauer-Emmett-Teller (BET) Method: Standard Operating Procedure Series: SOP-C Descriptive Note : Technical Report,30 Sep 2015,30 Sep 2016 Title : Stabilizing Protein Effects on the Pressure Sensitivity of Fluorescent Gold Nanoclusters Descriptive Note : Technical Report Title : Theory-Guided Innovation of Noncarbon Two-Dimensional Nanomaterials Descriptive Note : Technical

Report,14 Feb 2012,14 Feb 2016 Title :
 Detering Emergent Technologies Descriptive
 Note : Journal Article Title : The Human Domain
 and the Future of Army Warfare: Present as
 Prelude to 2050 Descriptive Note : Technical
 Report Title : Drone Swarms Descriptive Note :
 Technical Report,06 Jul 2016,25 May 2017 Title :
 OFFSETTING TOMORROW'S ADVERSARY IN A
 CONTESTED ENVIRONMENT: DEFENDING
 EXPEDITIONARY ADVANCE BASES IN 2025
 AND BEYOND Descriptive Note : Technical
 Report Title : A Self Sustaining Solar-Bio-Nano
 Based Wastewater Treatment System for
 Forward Operating Bases Descriptive Note :
 Technical Report,01 Feb 2012,31 Aug 2017 Title
 : Radiation Hard and Self Healing Substrate
 Agnostic Nanocrystalline ZnO Thin Film
 Electronics Descriptive Note : Technical
 Report,26 Sep 2011,25 Sep 2015 Title :
 Modeling and Experiments with Carbon
 Nanotubes for Applications in High Performance
 Circuits Descriptive Note : Technical Report
 Title : Radiation Hard and Self Healing
 Substrate Agnostic Nanocrystalline ZnO Thin
 Film Electronics (Per5 E) Descriptive Note :
 Technical Report,01 Oct 2011,28 Jun 2017 Title :
 High Thermal Conductivity Carbon
 Nanomaterials for Improved Thermal
 Management in Armament Composites
 Descriptive Note : Technical Report Title :
 Emerging Science and Technology Trends:
 2017-2047 Descriptive Note : Technical Report
 Title : Catalysts for Lightweight Solar Fuels
 Generation Descriptive Note : Technical
 Report,01 Feb 2013,31 Jan 2017 Title :
 Integrated Real-Time Control and Imaging
 System for Microbiorobotics and
 Nanobiostructures Descriptive Note : Technical
 Report,01 Aug 2013,31 Jul 2014
Parenting Matters - National Academies of
 Sciences, Engineering, and Medicine 2016-11-21
 Decades of research have demonstrated that the
 parent-child dyad and the environment of the
 family"which includes all primary
 caregivers"are at the foundation of children's
 well- being and healthy development. From
 birth, children are learning and rely on parents
 and the other caregivers in their lives to protect
 and care for them. The impact of parents may
 never be greater than during the earliest years
 of life, when a child's brain is rapidly developing

and when nearly all of her or his experiences are
 created and shaped by parents and the family
 environment. Parents help children build and
 refine their knowledge and skills, charting a
 trajectory for their health and well-being during
 childhood and beyond. The experience of
 parenting also impacts parents themselves. For
 instance, parenting can enrich and give focus to
 parents' lives; generate stress or calm; and
 create any number of emotions, including
 feelings of happiness, sadness, fulfillment, and
 anger. Parenting of young children today takes
 place in the context of significant ongoing
 developments. These include: a rapidly growing
 body of science on early childhood, increases in
 funding for programs and services for families,
 changing demographics of the U.S. population,
 and greater diversity of family structure.
 Additionally, parenting is increasingly being
 shaped by technology and increased access to
 information about parenting. Parenting Matters
 identifies parenting knowledge, attitudes, and
 practices associated with positive developmental
 outcomes in children ages 0-8;
 universal/preventive and targeted strategies
 used in a variety of settings that have been
 effective with parents of young children and that
 support the identified knowledge, attitudes, and
 practices; and barriers to and facilitators for
 parents' use of practices that lead to healthy
 child outcomes as well as their participation in
 effective programs and services. This report
 makes recommendations directed at an array of
 stakeholders, for promoting the wide-scale
 adoption of effective programs and services for
 parents and on areas that warrant further
 research to inform policy and practice. It is
 meant to serve as a roadmap for the future of
 parenting policy, research, and practice in the
 United States.

**Searching and Seizing Computers and
 Obtaining Electronic Evidence in Criminal
 Investigations** - Orin S. Kerr 2001

Pain Management and the Opioid Epidemic
 - National Academies of Sciences, Engineering,
 and Medicine 2017-09-28

Drug overdose, driven largely by overdose
 related to the use of opioids, is now the leading
 cause of unintentional injury death in the United
 States. The ongoing opioid crisis lies at the

intersection of two public health challenges: reducing the burden of suffering from pain and containing the rising toll of the harms that can arise from the use of opioid medications. Chronic pain and opioid use disorder both represent complex human conditions affecting millions of Americans and causing untold disability and loss of function. In the context of the growing opioid problem, the U.S. Food and Drug Administration (FDA) launched an Opioids Action Plan in early 2016. As part of this plan,

the FDA asked the National Academies of Sciences, Engineering, and Medicine to convene a committee to update the state of the science on pain research, care, and education and to identify actions the FDA and others can take to respond to the opioid epidemic, with a particular focus on informing FDA's development of a formal method for incorporating individual and societal considerations into its risk-benefit framework for opioid approval and monitoring.