Danish Parliament Defense Committee Deputation 8 December 2016

S. R. Noble-Letort, PhD Chairman Nordic Integrative Medicine <u>www.nordicintegrativemedicine.com</u>

NIM

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Nordic Integrative Medicine

What is Integrative Medicine?

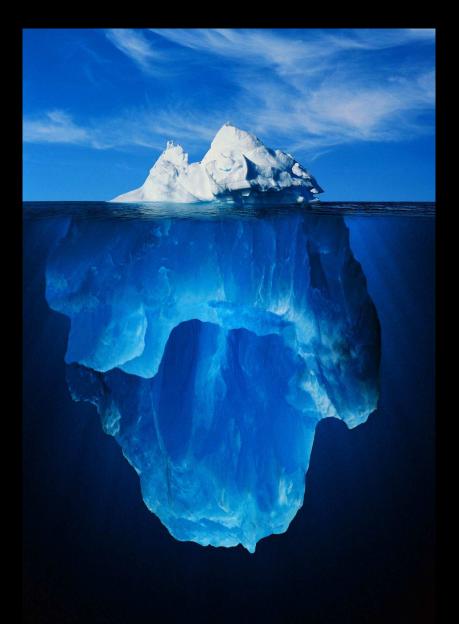
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Integrative Medicine (IM) emphasizes integrated patient care that empowers the patient by addressing the biophysical, emotional, mental, social, existential and environmental influences that affect a person's health and coordinates care with the selected support of a team of integrative practitioners who develop a personalized health plan, which supports the renewal of health and prevention of disease.

PREVENTION & WELLNESS PATIENT-CENTERED

LIFESTYLE MODIFICATION GENETICS IS NOT DESTINY

COMPASSIONATE CARE NEW PARADIGM RESEARCH



NIM Center for Integrative Health and Prevention

Moving Healthcare into Sustainability

HIGH TOUCH Compassionate, Patient-Empowered Team-Integrated Healthcare	Time to Talk with Team of Medical and Complementary Practitioners
Cost-Effective for Chronic Disease Management and Prevention	HIGH TECH Scientific Evidence-Based Complementary Therapies and Medicine working with Conventional Medicine and Innovative Biotech, Neuroscience

and Genetic Risk Research

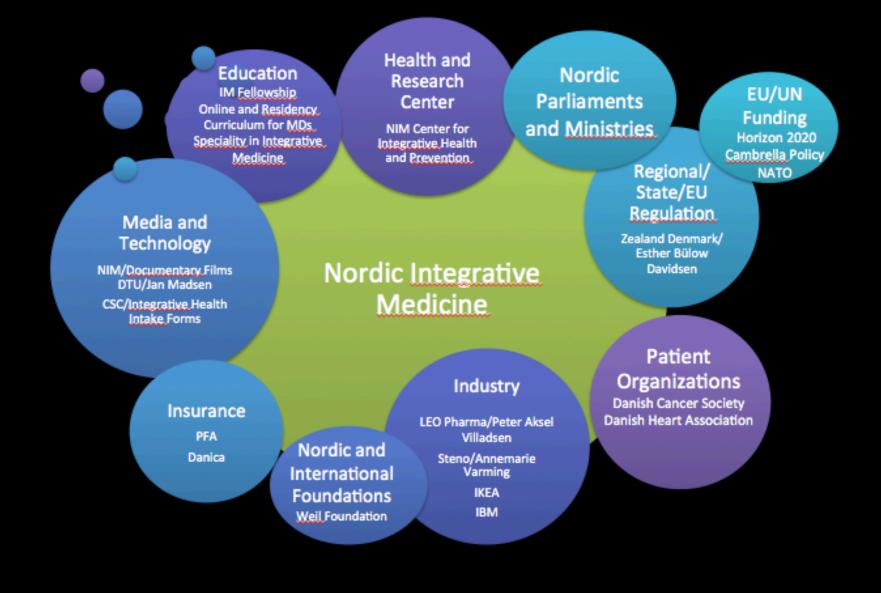
Complementary | Conventional

Stress Resilience Medical Doctor

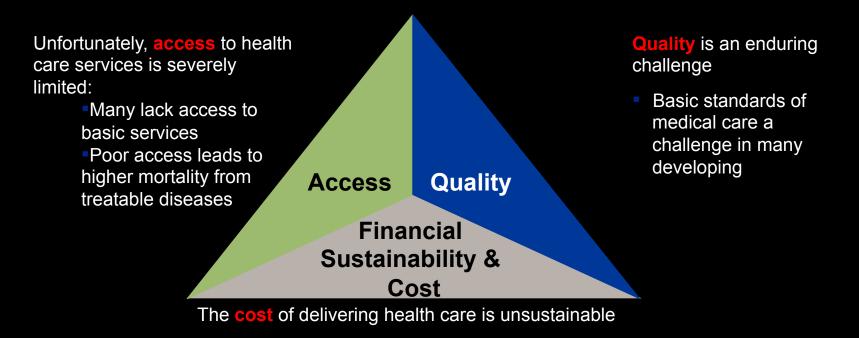
Patient

Clinical Nutrition Psychology Physiotherapy

- Physician Led Integrated Team: Personalized Health Plan
- Compassionate Focused Therapy (CFT)
- Clinical Nutrition: Garden to Table Nature Therapy
- Mind-Body: Yoga Therapy and Music Therapy



Challenges in Health Care Delivery



- Unsustainable for countries with national healthcare coverage
- Cost of care is catastrophic for families in countries without strong insurance



NATIONAL ACADEMY OF MEDICINE

Epidemiological Disease Burden on Danish Society

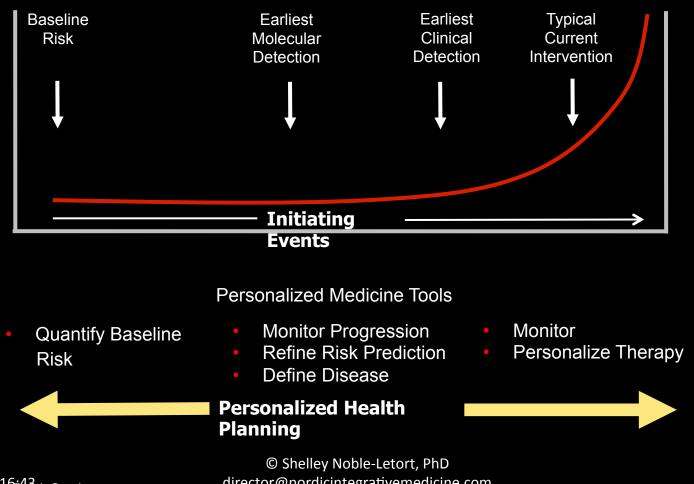
	Most common diseases	Most new diagnoses	Most freq. cause of death	Most freq. hospitalizat ion	Cause of early retirement	Cause of sick leave	Cost of treatment
Diabetes	5	1 (b)					
Cardio/Vasc.		2	1 (c)	2			
Anxiety		3			1 (e)	5	
Apoplexi		4	3				
Backpain.	1 (a)				3	1 (f)	4
Arthritis	2			3		4	2
Migraine	3					3	
Neck pain	4					2	
Depression		5			4		
Lung cancer			2				
Brain hemorrhage					5		3
Black lungs			4				
Dementia			5				
Schizofrenia				5	2		1 (g)
Respir. Dis.				1 (d)			5
Subs. abuses				4			

(a) 800,000 patients; (b) 29,000 patients; (c) 4,700 patients; (d) 42,000 patients; (e) 1,900 patients; (f) 5.5 million sick-days; (g) DKK 2.6 Bn

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Need for Earlier Intervention

Development of Disease

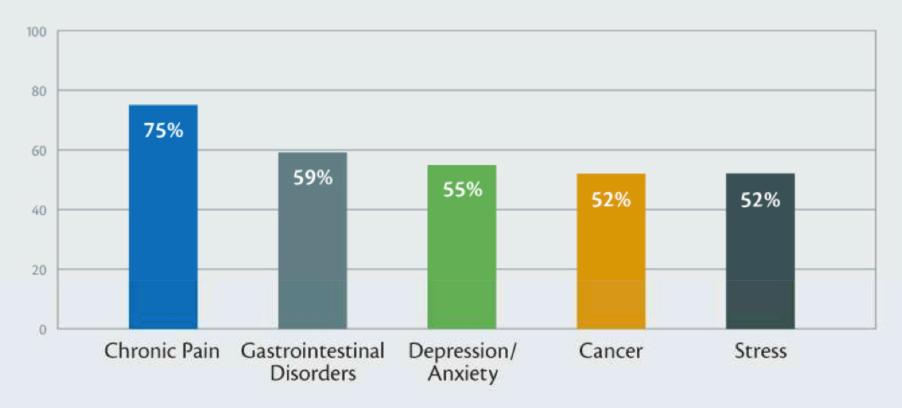


Slide modified from Raiph Snyderman

director@nordicintegrativemedicine.com +45 2116 3939

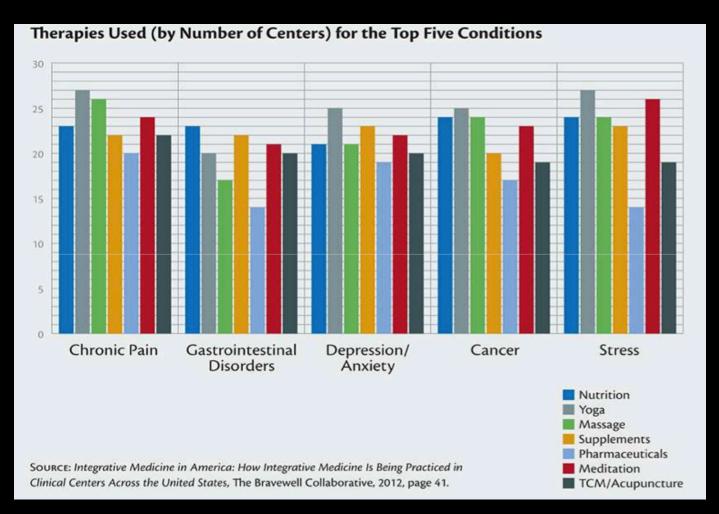
IM Clinical Success

Conditions for Which the Centers Report the Most Clinical Success



SOURCE: Integrative Medicine in America: How Integrative Medicine Is Being Practiced in Clinical Centers Across the United States, The Bravewell Collaborative, 2012, page 34.

IM Therapies Applied



IM Practitioners Employeed

Percentage of Centers Employing the Following Practitioners Either Full or Part-time:				
Physician	96%*	Hypnotherapist	41%	
Massage Therapist	86%	Holistic Nurse	38%	
Meditation Instructor	83%	Chiropractor	38%	
Acupuncturist, LAc	79%	Pain Specialist	34%	
MBSR Instructor	79%	Psychiatrist	34%	
Dietician/Nutritionist	69%	Naturopath	28%	
TCM Practitioner	62%	Physical Therapist	28%	
Yoga Instructor	62%	Exercise Physiologist	24%	
Psychologist	59%	Physician Assistant	21%	
Healing Touch/Reiki Practitioner	55%	Health Coach	21%	
Nurse Practitioner	55%	Osteopath	21%	
Acupuncturist, MD	48%	Ayurvedic Practitioner	17%	
Biofeedback Practitioner	45%	Homeopathy Practitioner	17%	

NORTH ATLANTIC TREATY ORGANIZATION SCIENCE AND TECHNOLOGY ORGANIZATION

NATO

OTAN



NATO Science and Technology Organisation (STO)



What is the NATO Science and Technology Organisation (STO)?

The NATO Science and Technology Organisation (STO) promotes and conducts co-operative scientific research and exchange of technical information amongst 28 NATO nations and 38 NATO partners.

The largest such collaborative body in the world, the STO encompasses over 3000 scientists and engineers addressing the complete scope of defence technologies and operational domains.

This effort is supported by an executive agency, the Research and Technology Agency (RTA), that facilitates the collaboration by organising a wide range of studies, workshops, symposia, and other forums in which researchers can meet and exchange knowledge. NATO

OTAN



What is the Mission of the HUMAN FACTORS AND MEDICINE (HFM) Panel ?

The mission of the Human Factors and Medicine Panel (HFM) is to provide the science and technology base for optimising health, human protection, well being and performance of the human in operational environments with consideration of affordability.

This involves understanding and ensuring the physical, physiological, psychological and cognitive compatibility among military personnel, technological systems, missions, and environments.

This is accomplished by exchange of information, collaborative experiments and shared field trials

NORTH ATLANTIC TREATY ORGANIZATION SCIENCE AND TECHNOLOGY ORGANIZATION



What are the Driving Forces and Objectives of the

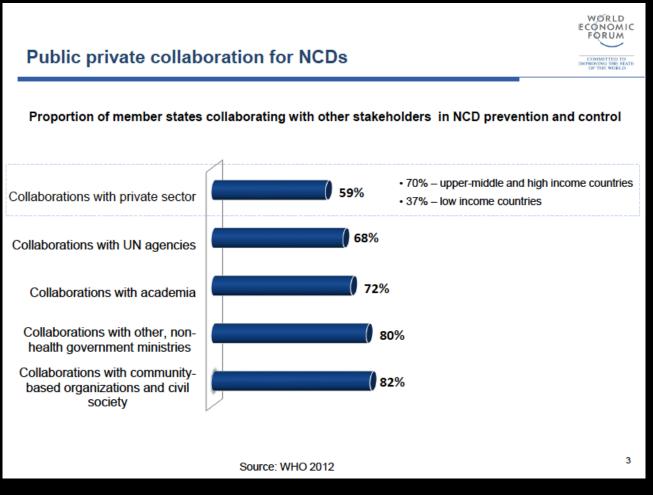


More than intervention supplement NATO

OTAN

- Identify and evaluate countries' data on the use of CAM among military personnel.
- Determine how personnel in each country access CAM interventions (directly or by prescription), and with what frequency.
- Assess how important, accepted, and regulated is the use of CAM in the therapeutic arsenal
- Share all available research on the indications and effects of any type of CAM interventions, as well as any possible adverse effects on military readiness.

World Economic Forum Innovative Financing: Public-Private Cooperation and Noncommunicable Diseases (NCD)



Re-thinking the ROI of healthy populations will... change the direction of discourse and help to fuel investments into healthy populations



Why is there a need for re- thinking?	 Beneficiary stakeholders of healthy populations have very different lenses: Understanding and capturing those very different benefits is on top of the agenda but has not been solved to date
The status quo of the debate…	 does not facilitate investments does not address the specifics of multi-stakeholder investments does not provide a concept to assess investment opportunities
A discussion on the ROI concept	 will force the debate about the value of healthy populations will assess investment opportunities in the eco-system of healthy populations will help to change the discourse to shift from investments into care to investments into prevention

U.S. Air Force & Duke Integrative Medicine Research Collaboration

Genetic Risk and Health Coaching for Type 2 Diabetes and Coronary Heart Disease

 (U.S. Air Force funded) The purpose of this study is to examine whether the use of genetic test information and/ or health coaching in patient risk counseling for heart disease and diabetes affects health behaviors and health outcomes in active-duty Air Force, beneficiaries or dependents and Air Force retiree patients. Participants are being recruited from the David Grant Medical Center at Travis Air Force Base and the McClellan Outpatient Satellite Clinic in California.

https://www.dukeintegrativemedicine.org/research/ current-research-studies/

What can the Danish Defense Committee Do?

Collaborate with Health Committee Create Version 2.0 of NATO Task Force 195 Integrative Health and Prevention (IHP) Expert Committee

TEP 1: Invite NATO Task Force Group to Denmark / Determine Healthcare Needs for Danish Iilitary Personnel/Veterans and Public/Provider (Patients and Healthcare Personnel)

STEP 2: Fund Epidemiological Study (Update Cambrella 2012 Data)

STEP 3: Build the IHP Team

STEP 4: Fund IHP Pilot Study on PTSD for Military Personnel and Veterans (Translational/Interventional)

Collaborative Actions:

Danish Parliament Defense and Health Committees



ACTION 2: Selecting Multipartisan Expert Committee on IHP

ACTION 3: Funding Research

- A. Epidemiological
- B. IHP Pilot Studies (NATO/Danish Defense, (PTSD) Provider (stress), Public (cancer)

ACTION 4: Funding a Center for Integrative Health and Prevention (Clinical and Research)