

The 7th International Jerusalem **Conference on Health Policy** 

## **September 15 - 16 | 2019**

## **HEALTH AND HEALTHCARE** IN THE AGE OF INNOVATION



## Sunday, September 15, 2019

08:00-09:00

Registration, Coffee, ePoster & Start-Up Exhibitions

09:00-11:00

Plenary I: Opening Session

Ran Balicer (IL), & Isaac Kohane (US), Conference Co-Chairs Chair:

Orly Manor, Chairwoman, Board of Directors, The Israel National Institute for Health Policy Research (IL) Greetings:

> Moshe Bar Siman Tov, Director General, Ministry of Health (IL) Isaac Kohane, Harvard University (US), Conference Co-Chair HOW CAN PATIENTS ACCELERATE INNOVATION IN MEDICINE?

John Halamka, Beth Israel Lahey Health Technology Exploration Center (US) Lectures:

THE FUTURE OF DIGITAL HEALTH

Divya Chander, Stanford University & Singularity University (US)

HOW HUMAN AUGMENTATION WILL PROMOTE HUMAN EVOLUTION OR MAKE US VULNERABLE TO BE HACKED

11:00-11:30

Coffee Break, ePoster & Start-Up Exhibitions

11:30-13:00 Plenary II

> Dina Ben-Yehuda, Hadassah Medical Center (IL) Chair:

Lecture Harpreet Sood, NHS (UK)

Lunch, ePoster & Start-Up Exhibitions

DEVELOPING A WORKFORCE FOR A 21ST CENTURY HEALTH SYSTEM

**Track Introduction:** 

**Parallel Session 1** 

Intro Lecture:

Topic A: Christian Lovis, University of Geneva (Switzerland), Co-Chair Track A

BIGDATA AND AI IN HEALTH: HYPE AND CHALLENGES

Daniel Kraft, Singularity University (US), Co-Chair Track B Topic B:

SUPER CONVERGENCE AND THE REIMAGINATION & REINVENTION OF HEALTH & MEDICINE

Peter Neumann, Tufts Medical Center (US), Co-Chair Track C Topic C:

ECONOMICS AND HEALTH INNOVATION: CAN WE DISRUPT OUR WAY TO BETTER VALUE IN HEALTH CARE?

Topic D: Harold Wolf, HIMSS (US), Co-Chair Track D

DETOUR AHEAD! THE ROAD TO DIGITAL HEALTH INNOVATION: NAVIGATING RISKS TO UNLEASH REWARDS

13:00-14:00

14:00-15:30

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Topic A DATA-DRIVEN CARE – REALIZING THE PROMISE	Topic B UBER'IZATION OF HEALTHCARE – DREAM OR NIGHTMARE?	Topic C INNOVATION IN HEALTH ECONOMICS, AND THE ECONOMICS OF HEALTHCARE INNOVATION	Topic D NEW CHALLENGES AND THREATS IN THE AGE OF INNOVATION
BIG DATA AND BEYOND	INNOVATION IN THE CLINICAL ARENA	THE VALUE OF INNOVATIVE HEALTHCARE INTERVENTIONS	CONFRONTING NEW TECHNOLOGIES
Chair: Christian Lovis	Chair: Rafael Beyar	Chair: Amir Shmueli	Chair: Itamar Grotto
Innovation Slot: Marc Abramowicz (Switzerland) GENOMIC DATA AND THE PROMISE OF GENOMIC MEDICINE	Innovation Slot: Nissim Alon (IL) LEUMIT DIGITAL FROM VISION TO REALITY		Innovation Slot: Eyal Zimlichman (IL) WHAT'S HOLDING BACK DISRUPTIVE INNOVATION IN HEALTHCARE?
Presentations:	Presentations:	Presentations:	Presentations:
Ingrid Wolfe (UK) POPULATION HEALTH CARE FOR CHILDREN WITH ONGOING CONDITIONS	Orly Tamir (IL) MEASURING THE QUALITY OF A THERAPEUTIC MEETING USING OBJECTIVE-STRUCTURED CLINICAL SIMULATION (OSCS) - THE CASE OF DIABETES EDUCATORS	Omer Ben-Aharon (IL) MATURE VERSUS REGISTRATION STUDIES OF IMMUNO-ONCOLOGY AGENTS: DOES VALUE IMPROVE WITH TIME?	Fabio Gomes (BRAZIL) USE OF MACHINE LEARNING MODELS FOR "SUPERVISED CLASSIFICATION" OF LEGISLATIVE PROPOSALS RELATED TO HEALTH IN THE BRAZILIAN NATIONAL CONGRESS
Gideon Koren (IL) REPURPOSING MEDICATIONS BY USING MACCABI HEALTH SERVICE ELECTRONIC DATABASE	Liat Lerner-Geva (IL) THE ISRAELI NATIONAL COMMITTEE FOR SEX SELECTION BY PRE- IMPLANTATION GENETIC DIAGNOSIS (PGD) FOR NON-MEDICAL REASONS: A UNIQUE HEALTH POLICY	Erez Yerushalmi (UK) QUANTIFYING A MINIMUM SOCIAL VALUE OF PUBLIC HEALTH CARE: A GENERAL EQUILIBRIUM MODEL APPLIED TO ISRAEL	Shirly Bar-Lev (IL) FORGOTTEN ON THE SIDE OF THE INFORMATION HIGHWAY: COGNITIVE BARRIERS TO ELDERS ENGAGEMENT WITH DIGITAL TECHNOLOGY
Kandarp Talati (INDIA) INDIA'S NATIONAL FAMILY HEALTH SURVEY (2015-16) BIG DATA AWAITS ADVANCED ANALYTICS AND ARTIFICIAL INTELLIGENCE APPLICATIONS TOWARDS STRENGTHENING PUBLIC HEALTH OUTREACH AND OUTCOMES	Shmuel Prints (IL) A WEB-BASED DISCUSSION FOR DIFFICULT-TO-SOLVE CASES: A PROMISING EXPERIENCE IN A LARGE PHYSICIAN NETWORK	Irit Chudner (IL) CHOOSING VIDEO INSTEAD OF IN- CLINIC CONSULTATIONS IN PRIMARY CARE: DISCRETE CHOICE EXPERIMENT AMONG KEY STAKEHOLDERS: PATIENTS, PRIMARY CARE PRACTITIONERS AND POLICY MAKERS	Jhaki Mendoza (PHILIPPINES) USING DIGITAL DIARIES TO RESEARCH PATHWAYS OF HYPERTENSION CARE: EXPERIENCES FROM ENGAGING WITH PEOPLE WITH HYPERTENSION IN THE PHILIPPINES
Sharon Hovav (IL) AN AI-BASED MULTI-CRITERION APPROACH TO ENHANCE THE EFFECTIVENESS OF VACCINATION STRATEGIES	Dan Yamin (IL) PERSONAL AND SOCIAL PATTERNS PREDICT INFLUENZA VACCINATION DECISION	Yuval Levy (IL) THE POSITIVE INFLUENCE OF APPMEDIC VOLUNTEER'S INTERVENTION IN THE EMERGENCY DEPARTMENT ON PATIENT AND FAMILY SATISFACTION	Vasiliki Foufi (SWITZERLAND) DEID: DE-IDENTIFICATION OF CLINICAL NARRATIVE DATA IN FRENCH, GERMAN AND ITALIAN





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	Noam Barda (IL) AUTOMATIC EVALUATION OF ROUTINE COMPUTED TOMOGRAPHY SCANS FOR PREDICTION OF OSTEOPOROTIC FRACTURES	Maya Siman-Tov (IL) MINIMIZING ABUSE OF EMERGENCY CALL CENTER SERVICES: IS TECHNOLOGY THE RIGHT SOLUTION?	Motti Haimi (IL) PHYSICIANS' EXPERIENCES, ATTITUDES AND CHALLENGES IN A PEDIATRIC TELEMEDICINE SERVICE
Raida Daeem (IL) BARRIERS TO TREATMENT IN ISRAELI ARAB MINORITY ADOLESCENTS WITH MENTAL HEALTH PROBLEMS: RESULTS FROM THE GALILEE STUDY		Eduardo Schejter (IL) HPV-DNA-PRIMARY SCREENING IN ISRAEL IS MORE EFFICIENT THAN CYTOLOGICAL SCREENING (PAP TEST)	Zoe Co (US) VARIABLE PERFORMANCE IN THE COMPUTERIZED PHYSICIAN ORDER ENTRY (CPOE) EVALUATION TOOL: AREAS FOR IMPROVEMENT
		Susanna Mordechay (IL) IS FRONTAL TRIAGE AN EFFECTIVE ALTERNATIVE TO PHYSICIAN REFERRAL-BASED TRIAGE? A PROSPECTIVE COHORT STUDY	
Elevator Pitch: 1 MIN - 1 SLIDE	Elevator Pitch: 1 MIN - 1 SLIDE	Elevator Pitch: 1 MIN - 1 SLIDE	Elevator Pitch: 1 MIN - 1 SLIDE
THE APPROPRIATE USE OF	Aviva Yoselis (IL) PATIENT NAVIGATION IN A VIRTUAL WORLD: USING ENGLISH SPEAKING IMMIGRANTS AS A MODEL FOR TELEHEALTH ADVOCACY	Alla Vishkautzan (IL) MANAGING DRUG SHORTAGES - THE ISRAELI EXPERIENCE (2013-2018)	Luz Angela Torres López (COLOMBIA) SOCIOECONOMIC POSITION AND CANCER SCREENING AMONG WOMEN IN ISRAEL
Ilaria Corazza (ITALY) BUILDING BIG DATA FROM PAEDIATRIC PATIENT EXPERIENCE: A NEW MODEL FOR PREMS COLLECTION AND UTILISATION	Ilan Yehoshua (IL) MACCABI RED - UBERIZATION OF MINOR TRAUMA AND SEMI URGENT MEDICAL CARE IN PRIMARY CARE SETTING	Ahuva Spitz (IL) NURSING ASSISTANTS - INNOVATIVE INTERVENTION	José Luis Sandoval (SWITZERLAND) USING INDIVIDUAL-LEVEL GEOGRAPHIC DATA TO UNCOVER SOCIOECONOMIC STATUS- INDEPENDENT SPATIAL CLUSTERS OF MAMMOGRAPHY ADHERENCE IN GENEVA
Liora Valinsky (IL) BARRIERS TO COMPLETING COLONOSCOPY AFTER A POSITIVE FECAL OCCULT BLOOD TEST	Shlomo Yaacobi (IL) CLINICAL TRIALS IN ADVANCED THERAPIES - ISRAEL IS ON THE MAP	Tal Morginstin (IL) BUDGET-IMPACT OF DRUGS FOR ORPHAN DISEASES (ORPHAN DRUGS) IN THE ISRAELI HEALTH BASKET: A LONGITUDINAL ANALYSIS	Yael Wolff Sagy (IL) EXPLORING SOCIOECONOMIC DISPARITIES IN DIABETES QUALITY INDICATORS IN ISRAELI ADULTS
PARTIAL SMOKING BAN BREAKS THE	Alexander Gamus (IL) CLINICAL OUTCOMES, QOL AND COSTS ANALYSES OF TELEMEDICINE APPLICATION IN LOWER EXTREMITIES ULCERS TREATMENT	Ariel Hammerman (IL) ALLOCATION OF RESOURCES AMONG MEDICAL FIELDS IN UPDATING THE ISRAELI 'HEALTH BASKET', IS THERE A 'CANCER PREMIUM'?	
Orit Stein Reisner (IL) USE THE DATA TO MAKE THE CHOICE: SELECTING THE BEST SMOKING CESSATION SERVICE FOR PEOPLE WITH SERIOUS MENTAL ILLNESS (SMI)			
Coffee Brook oBostor & Start-Un Exhib			

15:30-16:00

Coffee Break, ePoster & Start-Up Exhibitions

16:00-18:00

Plenary III
Chair: Shlomo Mor-Yosef, NIHP (IL)

Lecture Ran Balicer, Clalit Health Services (IL), Conference Co-Chair

THE LIGHT AND DARK SIDE OF PREDICTION IN HEALTHCARE PRACTICE

Roundtable 1 Chair: Lisa Simpson, AcademyHealth (US)

THE IMPLEMENTATION GAP

Ashish Jha, Harvard University (US), Vivian Tseng, William T. Grant Foundation (US),

Haim Bitterman, Assuta Ashdod Hospital (IL)

Roundtable 2 Chair: Charles Kahn, Federation of American Hospitals (FAH) (US)

**HOSPITAL OF THE FUTURE** 

Fabrice Brunet, University of Montreal (Canada), Osnat Levtzion-Korach, Shamir Medical Center (Assaf Harofeh) (IL),

Eyal Zimlichman, Sheba Medical Center (IL)

18:00-22:00 DINNER & SOCIAL EVENT



The 7<sup>th</sup> International Jerusalem Conference on Health Policy

**September 15 - 16 | 2019** 

HEALTH AND HEALTHCARE IN THE AGE OF INNOVATION



## Monday, September 16, 2019

Registration, Coffee, ePoster & Start-Up Exhibitions 08:00-09:00

Plenary IV 09:00-10:30

Chair: Avi Israeli, Hebrew University-Hadassah (IL), Co-Chair Track D

Harold Wolf, HIMSS (US) Lectures:

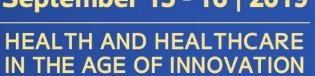
TO SOLVE HEALTH ECOSYSTEM CHALLENGES, WE WILL HAVE TO TAKE RISK!

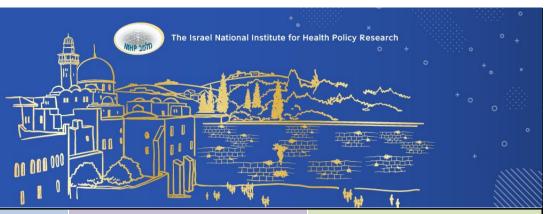
Daniel Kraft, Singularity University (US)

11:

	THE FUTURE OF MEDICINE: WHERE CAN TECHNOLOGY TAKE US?				
	David Nash, Jefferson College of Population Health (US)				
DEVELOPING AN ACCREDITATION FRAMEWORK FOR GRADUATE PROGRAMS IN HEALTHCARE QUALITY AND					
	SAFETY - A GLOBAL I	PERSPECTIVE			
0:30-11:00	Coffee Break, ePoster & Start-Up Exhib	itions			
1:00-13:00	Parallel Session 2				
	Topic A	Topic B	Topic C	Topic D	
	DATA-DRIVEN CARE – REALIZING THE PROMISE	UBER'IZATION OF HEALTHCARE – DREAM OR NIGHTMARE?	INNOVATION IN HEALTH ECONOMICS, AND THE ECONOMICS OF HEALTHCARE INNOVATION	NEW CHALLENGES AND THREATS IN THE AGE OF INNOVATION	
	MAKING AN IMPACT AT SCALE	INNOVATION IN HEALTH DELIVERY SYSTEMS	ECONOMICS OF HEALTHCARE INNOVATION, CARE DELIVERY AND PAYMENT SCHEMES	CONFRONTING POLICY ISSUES	
	Chair: Varda Shalev	Chair: Ahuva Weiss-Meilik	Chair: Dan Greenberg	Chair: Nir Kaidar	
	Innovation Slot: David Nash (US) BUILDING THE FIRST COLLEGE OF POPULATION HEALTH IN THE USA -	Innovation Slot: Marta Gaia Zanchi (Spain) & Yona Vaisbuch (US) NEED-DRIVEN METHODOLOGY FOR DATA-DRIVEN CARE IN HOSPITAL INNOVATION CENTERS	Innovation Slot: Peter J. Neumann (US) MEASURING THE VALUE OF NEW DRUGS: THE LATEST FROM THE US	Stephen C. Schoenbaum (US) CHALLENGES AND THREATS IN AN ERA OF INNOVATION IN HEALTH PROFESSIONS EDUCATION AND COLLABORATIVE PRACTICE Stuart H. Altman (US)	
	AI AND GENOMICS			LIMITING HEALTH SPENDING IN THE US: IMPACT ON INNOVATION	
	Presentations:	Presentations:	Presentations:	Presentations:	
	Edward Meinert (UK) A CASE STUDY EXAMINING THE COST MEASUREMENTS IN PRODUCTION AND DELIVERY OF A BLENDED MASSIVE OPEN	Dror Raif (IL) FETAL TELE-MONITOR SYSTEM – CENTRAL ANALYSIS, QUALITY CONTROL AND ARCHIVING – PRELIMINARY ACCOUNT OF THE FIRST	Joseph Mendlovic (IL) THE NEED FOR DIFFERENTIAL TARIFFS IN ISRAEL IN THE ERA OF AGING POPULATION AND EMERGING TECHNOLOGY: CARDIAC SURGERY AS A CASE STUDY	Colby C. Uptegraft (US)	
	USING QUALITY DATA TO STRENGTHEN ROUTINE IMMUNIZATION IN NIGERIA; EXPERIENCE WITH ROUTINE IMMUNIZATION (RI) LOTS QUALITY ASSURANCE SAMPLING (LQAS)	Raphael Onyango (KENYA) DOES STAFFING LEVELS OF HEALTH- CARE WORKERS IMPACT RETENTION IN HIV CARE AND TREATMENT; A RETROSPECTIVE COHORT ANALYSIS OF DATA FROM RIFT-VALLEY IN KENYA?	Marcello Di Pumpo (ITALY) AN INNOVATIVE NON-ECONOMIC INCENTIVE TO INCREASE VACCINE ADHERENCE AMONG HCWS: COST- CONSEQUENCE ANALYSIS AND EVALUATION OF SUSTAINABILITY	Bruce Rosen (IL) INNOVATION AND THE ISRAEL JOURNAL OF HEALTH POLICY RESEARCH (IJHPR)	
	FIRST YEAR OF THE FIRST POPULATION BASED BIOBANK IN ISRAEL	Robert Klempfner (IL) FEASIBILITY, SAFETY, AND EFFECTIVENESS OF A NOVEL MOBILE APPLICATION IN CARDIAC REHABILITATION	Leah Wapner (IL) PHYSICIAN REMUNERATION IN THE AGE OF INNOVATION	Michael Gluck (US) DISRUPTING HEALTH SERVICES RESEARCH IN THE US: NEED, OPPORTUNITIES, AND RISKS	
	FOR IMPROVING POPULATION BASED	Fowie Ng (HONG KONG) NEW MODEL OF 'INTERNET + HEALTHCARE': CASE STUDY OF ONLINE HEALTH SERVICES IN CHINA	Ruth Waitzberg (IL) THE 2013-14 EXPANSION OF ACTIVITY- BASED HOSPITAL PAYMENT IN ISRAEL: AN EVALUATION OF THE EFFECTS ON INPATIENT ACTIVITY OF 15 PROCEDURES	Mieke Deschodt (SWITZERLAND) IMPLEMENTATION OF AN INTEGRATED NURSE-LED CARE PROGRAM FOR COMMUNITY-DWELLING OLDER ADULTS IN CANTON BASELLAND: THE INSPIRE PROJECT	
	BIG DATA AS A CATALYST FOR POLICY	Sandra Gomez Ventura (HONDURAS) FEASIBILITY OF TELEHEALTH IN HONDURAS	Angela Irony (IL) HOME HOSPITAL VS. INSTITUTIONAL TREATMENT FOR SUB-ACUTE CARE PATIENTS – AN INNOVATIVE SETTING IMPACTING HEALTH ECONOMICS	Ardita Kongjonaj (ALBANIA) VARIATIONS IN INFANT AND CHILDHOOD VITAMIN D SUPPLEMENTATION PROGRAMS ACROSS EUROPE AND FACTORS INFLUENCING ADHERENCE	
	MEASURING AND PUBLIC REPORTING OF WAITING TIME FOR COMMUNITY-BASED	Leonardo Villani (ITALY) DIGITAL PATIENT PORTALS AND HEALTH OUTCOMES, SYSTEM EFFICIENCY AND PATIENT ATTITUDES: A SYSTEMATIC REVIEW	Ayelet Berg-Warman (IL) THE MINISTRY OF HEALTH FINANCIAL INCENTIVE PROGRAM TO IMPROVE DIAGNOSIS AND TREATMENT OF INFECTIOUS DISEASES IN NURSING HOMES	Richard Dale (SWEDEN) MAKING SENSE OF DATA – BUILDING BRIDGES BETWEEN BIOSTATISTICIANS AND POLICYMAKERS	
		Shlomit Avni (IL) IS UBER'IZATION OF RELATIONS POSSIBLE? EXAMINING THE PROS AND CONS OF TELE-CARE MODELS USING POVERTY-AWARE THEORIES	Avi Herbon (IL) AN OPTIMAL CHARGING SCHEME FOR HUMAN EMBRYOS' STORAGE SERVICE: A SOURCE FOR A SECONDARY MARKET	Idris Guessous (Switzerland) POPULATION-REPORTED OUTCOMES	







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Elevator Pitch: 1 MIN - 1 SLIDE	Elevator Pitch: 1 MIN - 1 SLIDE	Elevator Pitch: 1 MIN - 1 SLIDE
Yael Applbaum (IL) HOME SWEET HOME	Orly Silbinger (IL) THE IMPACT OF CHILD INJURY ON THE ISRAELI ECONOMY	Oren Miron (US) OVERDOSE FROM PRESCRIPTION OPIOIDS IN ADOLESCENCE, 1999-2017
Yongnian Liu (CHINA) HEALTH SERVICE INTEGRATED CONSTRUCTION IN AGRICULTURAL & PASTORAL VILLAGES AND TOWNSHIPS OF QINGHAI, CHINA	Fabio Gomes (Brazil) LONG TERM IMPACT FROM INNOVATIONS IN NATIONAL HEALTH SYSTEMS: THE CASES OF BRAZIL AND ISRAEL	Ronit Pinchas-Mizrachi (IL) THE HEALTH OF "ANSWER SEEKERS" – ADDRESSING THE NEEDS OF YOUNG ISRAELIS MOVING FROM THE ULTRA- ORTHODOX TO THE SECULAR COMMUNITY
Alex Galper (IL) PRO (PATIENT REPORTED OUTCOMES) IMPLEMENTATION AT SHEBA MEDICAL CENTER	Ronit Endevelt (IL) A NATIONWIDE POLICY PROJECT TO PROMOTE CONSUMPTION OF HEALTHY NUTRITION IN ISRAEL	
Myriam Aburbeh (IL) PLANNING FOR SPECIALISTS: CAN WE PREDICT THE NUMBER OF NEW SPECIALISTS?	Eyal Ariely (IL) WHERE TO GO IN AN EMERGENCY? DETERMINANTS OF CHOICE OF OUT OF HOURS SERVICES IN MEUHEDET	

13:00-14:00 Lunch, ePoster & Start-Up Exhibitions

13:15-14:00 Meet the Expert Over Lunch

A unique opportunity to interact with global key opinion leaders over round tables.

14:00-15:30 Plenary V

Chair: Gabi Bin Nun, Ben-Gurion University of the Negev (IL)

Keynote: Ashish Jha, Harvard University (US)

HOW DIGITAL TECHNOLOGY WILL TRANSFORM GLOBAL HEALTH: SAVING LIVES AND SAVING MONEY

Roundtable 3 Chair: Martin McKee, London School of Hygiene & Tropical Medicine (UK)

INNOVATION AND DISPARITIES: THE SOLUTION OR THE PROBLEM?

Maxine Mackintosh, University College London (UK), Nachman Ash, Maccabi Healthcare Services (IL),

Ronit Calderon Margalit, Hebrew University (IL)

15:30-16:00 Coffee Break, ePoster & Start-Up Exhibitions

16:00-17:30 Plenary VI: Closing Session

Chair: Orly Manor, NIHP (IL)

Roundtable 4 Chair: Kira Radinsky, Technion (IL)

EXCITING SCIENCE TRANSFORMING HEALTHCARE: A GLIMPSE INTO THE (NEAR) FUTURE

Divya Chander, Stanford University & Singularity University (US), Uri Shalit, Technion (IL)

Noam Shomron, Tel Aviv University (IL)

ePoster Awards

Closing Remarks: Isaac Kohane, Harvard University (US), Ran Balicer, Clalit Health Services (IL)

17:30-18:30 CLOSING COCKTAIL RECEPTION