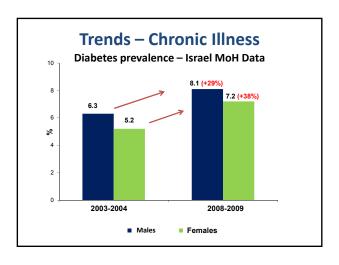
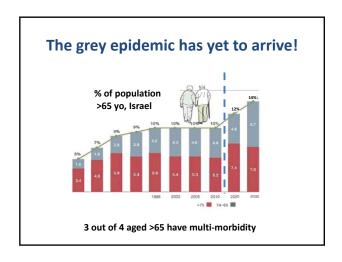
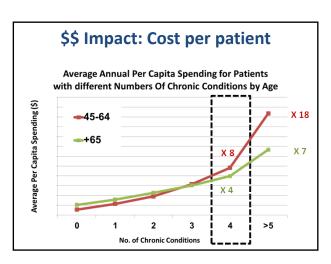


The New Normal' The Normal' Th







Treating multi-morbidity??

All the challenges of treating chronic illness

Plus...



Treating multi-morbidity??

And all that – in times of austerity...

- Resources
- Health professionals influx



Multi-morbidity patient care

- 1. Synergistic detrimental effects
 - Disease-disease, Drug-Drug
- 2. Coordinating multiple providers
- 3. Burden on patient and family
 - Impractical daily care plan
- 4. Almost no EBM!
 - Impact of quality measures unclear



Do more?



Do more!



That paradigm shift just became urgent... Work in silos Coordinated 'Equal' **Equitable** Therapeutic **Preventive** Reactive **Proactive Paternalistic Engaging**



Healthcare in Israel

- Population: ~8 Million
- Health Insurance: Mandatory, capitation state funding
- Healthcare provision: 1 of 4 sick funds (insurer/provider)
 - Emphasis on community GP clinic primary care
 - Non-for-profits
 - 90% 'happy' or 'very happy' with their health plan

Current state of affairs - Israel

Do we currently have the right setting (infrastructure and incentives) for this type of care?

"Every system is perfectly designed to get the results it gets."

Paul Batalden, M.D



Setting in Israel: A good starting point

- Infrastructure:
 - Universal coverage
 - Strong community clinic care
 - Strong IT and 100% EMR coverage (meaningful use)
 - With established quality measurement & QI platform
 - With hospital-GP interoperability & data sharing

Clalit Health Services: Israel's largest health provider

- 50% coverage 4 Million members
 - Over-representing minorities, low SES, elderly
- 1,500 primary care clinics
- 30% of hospital acute beds



Clalit Research Institute • Data to insights, insights to policy

- Multidisciplinary group:
- Physician researchers
- Epidemiologists
- Biostatisticians
- IT specialists
- Data-mining mathematics specialist
- · International collaborations



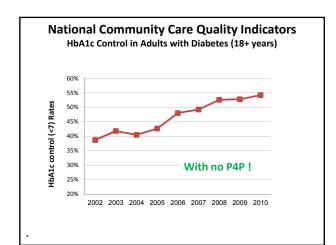
CLALIT 100

Clalit Health Services:

A unique data repository

- · Electronic information since late 1980's
- EMR Coverage in 100% of community clinics
- · Data available in a centralized Data Warehouse
- · Clinics, Hospitals, Labs, Pharmacies
- · Smoking, BMI, Drug adherence...
- · Socio-demographic data
- · Real-time data on costs
- · Chronic Disease Registries (>180)

Full life-span, ID-tagged, Geo-coded data ~ 4M people, for over a decade...





Setting in Israel: A good starting point

- Incentives aligned with patient centeredness:
 - Life-long sick fund membership (~1% ann. attrition)
 - Few cream skimming options (in the public sector)
 - High % of Salaried physicians
 - No p4p in general practice
 - Health plans: competition and innovation

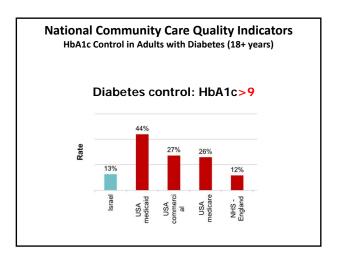


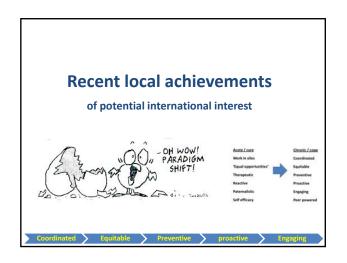
Setting:

Infrastructure Challenges

- Long term care a separate silo
- Mental health (still) a separate silo
- Health personnel increasing shortage
- Hospital-community coordination





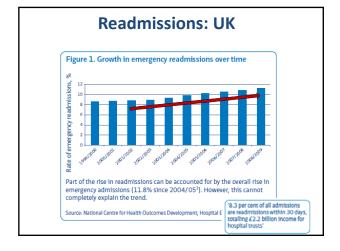




Setting:

Incentives - Challenges

- Hospitals, specialists still incentivized for volume
- Hospital accountability for post discharge
- Elderly care and deterioration prevention
- Private care ensuing





Readmissions - Israel				
country	Subgroup	Readmission rates	Israel rates	
Hong Kong (Wong et al, BMC HSR, 2011)	Internal med wards 2007	16.7%	14.3% (age adjusted)	
US (Jencks et al, NEJM, 2009)	Medicare (65+) 2003/4	19.6%	17.5% (Urgent & planned readmission)	
UK (Department of Health, 2008)	16-74 yo	9.1%	8.9%	
	Shadmi, Balicer et al, Cla	alit 2012		

Readmissions - Israel				
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Readmission reduction: Examples for action taken

✓ Incentives for Re-admission reduction (MoH)

Coordinated

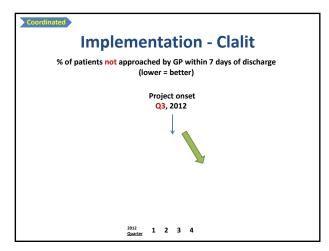
- ✓ CoC Nurses (Hospital-based community nurses) stationed in every hospital
- ✓ New integrative IT systems (hospital and GP clinic)
- ✓ GP Clinic nurse phone outreach upon discharge
- √ Home teams enhanced and activated

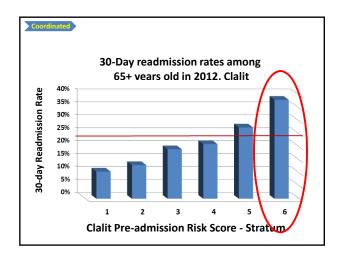
Bridging the Hospital-Community Gap: where should we aim?

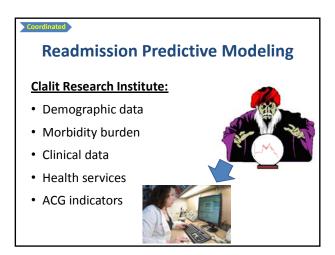
- Data-driven, targeted, continuity of data
 - GP clinical data available on admission
 - Readmission risk stratification
 - Hospital data available at GPs desktop
- · Care transition for at-risk patients
 - Community nurse stationed at hospital
- · Closing the hospital-community gap
 - GP clinic telephone-contact patients post discharge
 - Home care teams directed as needed

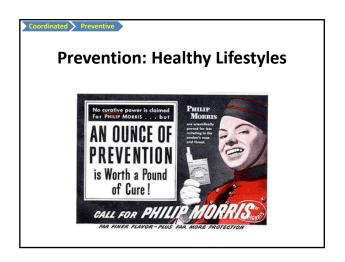


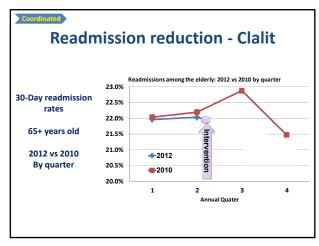


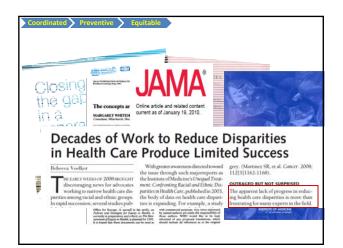


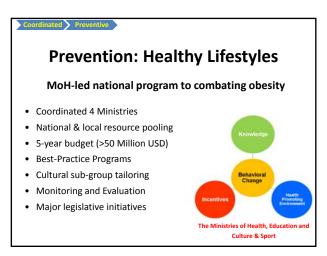


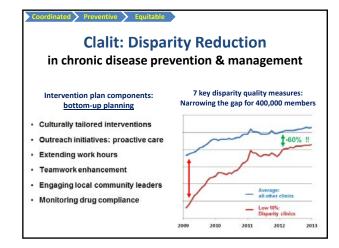


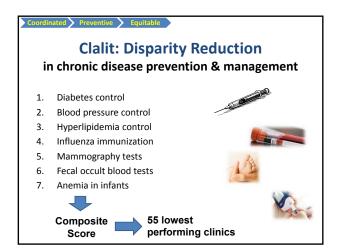


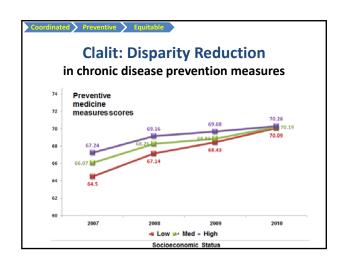


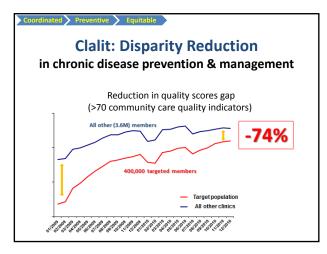




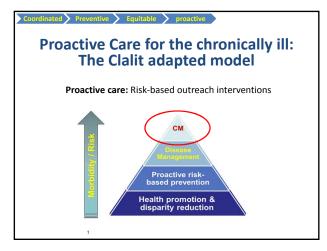


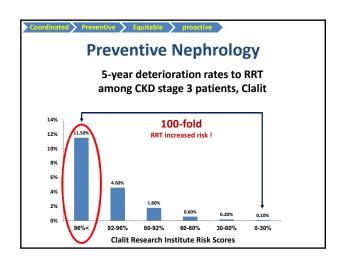


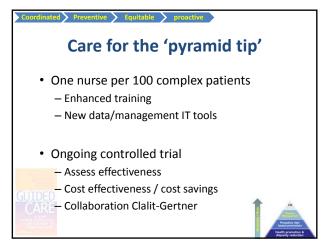


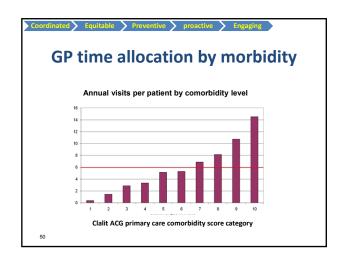


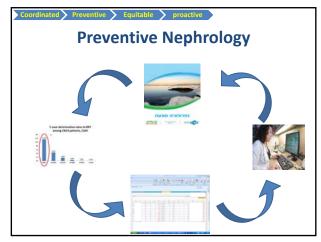


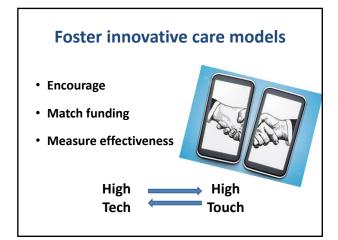


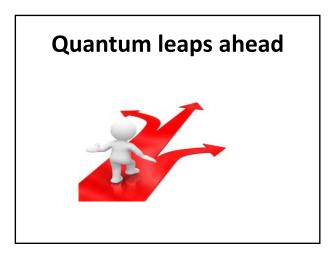












Towards patient-centered care Measure: Patient experience Patient-reported outcomes Custo er relations? Service? ✓ Quality of care!

Value driven care

- Continuous real-life effectiveness assessment
 - Do less
 - Do the right thing for the right patient

Towards patient-centered care Measure:

Patient experience Patient-reported outcomes



- Engagement
- Compliance
- Appropriate care
- Satisfaction
- Value

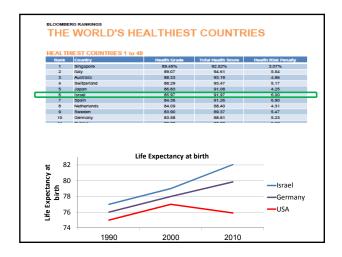
Towards patient-centered care Measure:

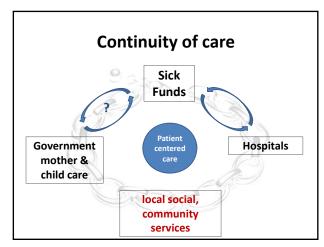
Patient experience

- Treatment pathway
 - Continuity of care
- Engagement, trust
 - Not just satisfaction

Patient-reported outcomes

- Illness specific
 - That matters to patients
- Standardized methods
 - i.e. PROMIS





Do more!

"It is not enough to do your hest:

you must know what to do, and then do your best.

W. Edwards Demming



To meet the challenges ahead ...(plus more)

- Data driven policy
 - Maximize data streamlining and use
- Build on infrastructure strengths
 - Improve in areas of fragmentation
- Develop innovative approaches
 - Patient-centered care & measures
 - Proactive self-care support



!Thank you

"It is not enough to do your best; you must know what to do, and then do your best.

W. Edwards Demming



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For further information

Ran Balicer

Email: rbalicer@netvision.net.il

Tel: +972-3-6923104