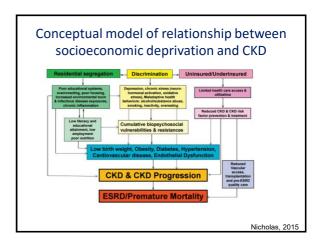
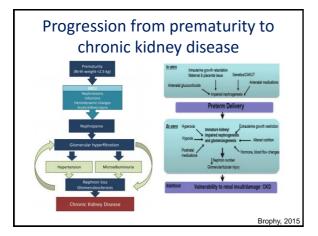


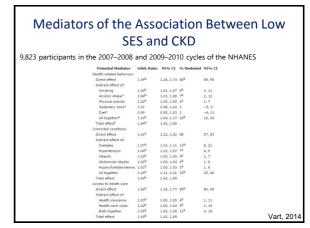
Screening for CKD in homeless

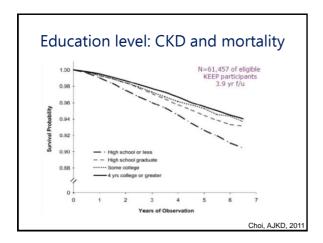
- 260 homeless individuals in the state of Jalisco, Mexico
- 3.5% knew they were hypertensive but 31% had systolic blood pressure greater than or equal to140 mm Hg
- 5.8% knew they had diabetes, but 19% had fasting blood sugar >126 mg/dl
- CKD was more prevalent than among the poor Jalisco population 22% vs. 15.8%

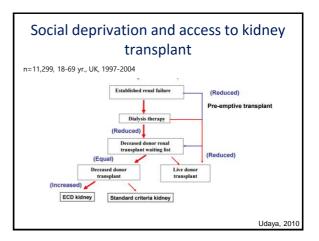
Garcia-Garcia, 2013



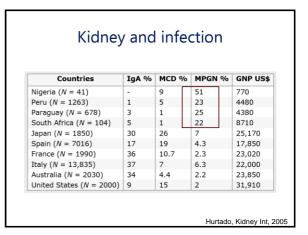


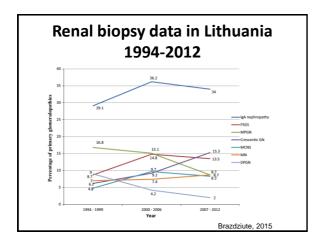














Agriculture and CKD

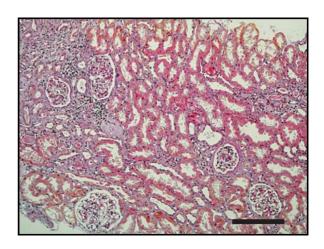
- CKD of unknown origin, prevalence 17.9%–21.1%
- Central America, Egypt, India and Sri Lanka
- · Agricultural communities
- Higher in male farmworkers aged 20–50 years
- Varied by community economic activity and altitude
- Agrochemical exposure, dehydration, hypertension, homemade alcohol use, family history

Almaguer, MEDICC Rev, 2014



Mesoamerican nephropathy

- Prevalent in the Pacific ocean coastal low lands: Mexico, Guatemala, El Salvador, Nicaragua, Honduras and Costa Rica
- Colloquially called creatinine
- Presents as a tubular-interstitial disease with rapid progression to ESRD
- Sugarcane workers, strenuous work in the high temperatures of the coastlands
- Town of Chichigalpa "Island of Widows

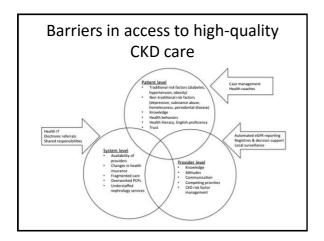


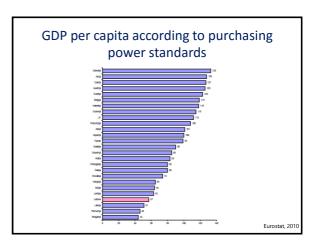


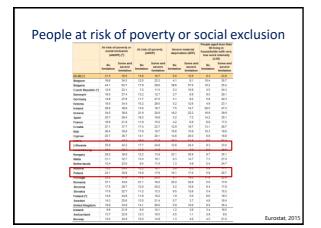






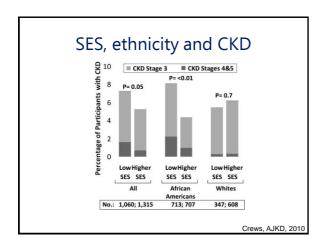


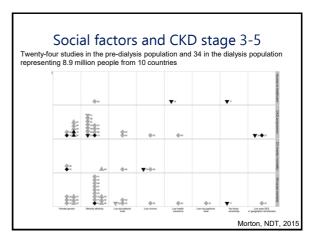


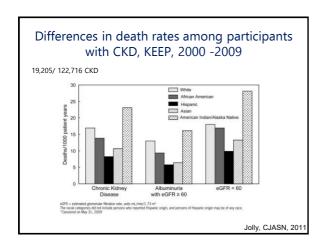


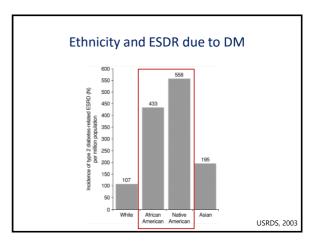
Case report: traveller

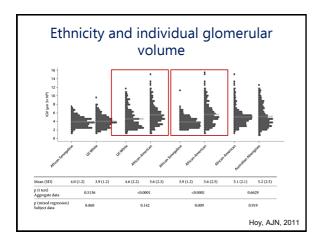
- Tonigh, 81 yr. male
- · Scabies, homeless
- 10th visit to ER this year
- Collapse after discharging from a hospice
- Knows hypertension from 2013
- MI in 2000, 2011, 2013, EF
- Creatinine 418 mkmol/l (AKI!), hgb 10,1 g/l

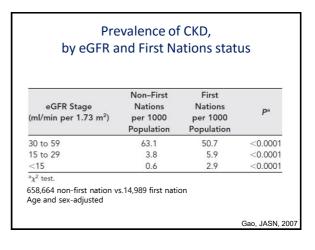


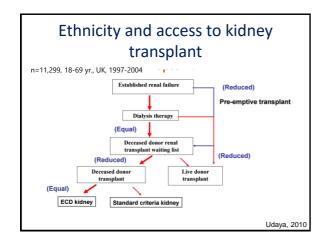


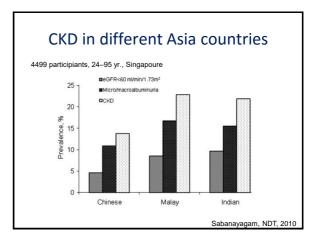




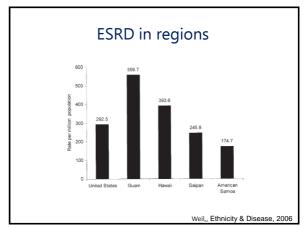


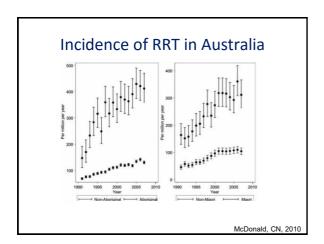




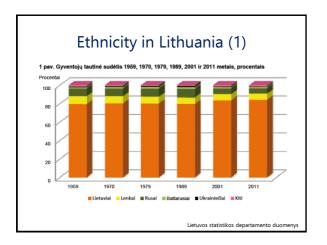


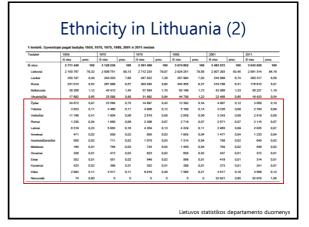










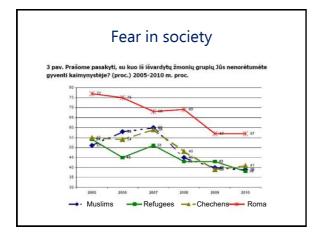


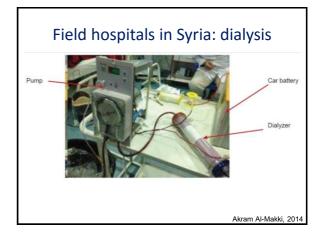
Case report: periodic fever

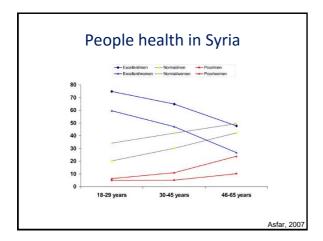
- 33 yrs. female, armenian
- Periodic disease, treated with colchicine
- · Amyloid in salivary gland
- HD from 2007 via central line
- Fever attack in 2009, later on underwent transplantation
- Dead because of infectious complications

Case report: rare HLA

- 60 yr. male, Kazakh
- Many years has diagnosis of MN
- 2 years on CAPD from 2012, then changed to HD because of abdomen wall abscess
- Waiting for transplantation
- · Never as a first candidate







ESRD epidemiology in Syria

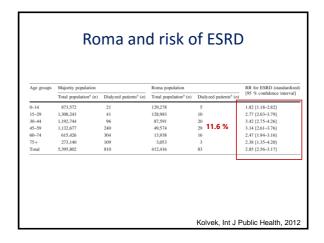
- Aleppo city 550 patients on HD (total 2,132,100)
- Mean age 44.7 yr.
- Rates relatively low due to the high cost of treatment, high mortality rate and low kidney transplantation rate
- Causes: HTN 21.1%, GN 20.5%, DM 19.45%

Moukeh, 2009

CKD epidemiology in Roma people

- Cross-sectional epidemiological HepaMeta study conducted in Slovakia in 2011
- 452 Roma and 403 non-Roma respondents
- Roma females had OR of 1.56 for having nephropathy over non-Roma females
- Roma females had a significantly lower GFR (mean difference 3.4 ml/min, t = -3.58, p < 0.001); all female female patients with proteinuria were Roma

Rosenberger, Cent Eur J Public Health, 2014

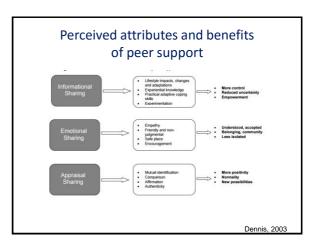


Outcomes of transplantation in Roma Outcomes of transplantation in Roma Outcomes of transplantation in Roma Follow-up time (years) Molnar, Int Urol Nephrol, 2012

Case report: medicine is evil

- 31 yr., Roma woman
- ADKD from 17 yr. old
- Father died being on HD
- · No compliance with RRT
- AVF after long persuation
- Refuses all medication
- Not wait-listed for transplant, needs nephrectomy





Proposed CKD Quality Metrics (1)

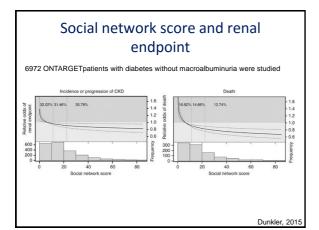
- · Prevention and screening
 - · Assessment of smoking status and cessation advice
 - · Avoidance of NSAID prescription
 - Pneumovax and hepatitis B vaccine
- Monitoring and treatment
 - Use of ACEi/ARB in patients with hypertension, proteinuria, and diabetes
 - Lipid profile and statin prescription
 - Assessment of anemia and iron studies
 - · Assessment of metabolic bone disorder parameters
 - Delivery of pre-ESRD education

Tuot, 2015

Proposed CKD Quality Metrics (2)

- Experience of care
 - Patient care coordination perception
 - Patient satisfaction surveys
- · Access to specialty care
 - · Time to next new nephrology appointment
 - · Availability of virtual nephrology consultation or comanagement
 - · Electronic referral and consultation system

Tuot, 2015



Monitoring at home: CARRE platform

• FP7-ICT-2013-611140

• Consortium: 6 partners – 4 EU countries

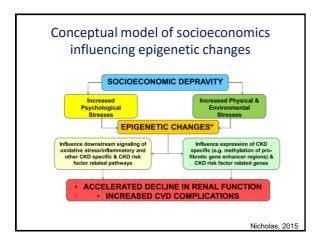
• Duration: Nov 2013 - Oct 2016

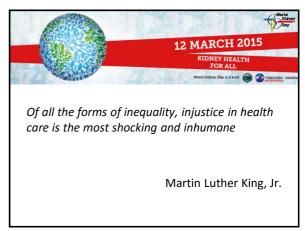
• Budget: 3,210,470€





- · Dynamic CRS model of comorbidities
- Data aggregators
- · Interactive visualization
- · Decision support system
- Patient empowerment
- · Shared decision support service





Take home message

- Roma bubreszka
- Tatars büjer, büjiräk
- Karaim bögrek, bivrek
- Armenians yerikam (երիկամ)
- Georgians t'irkmeli (თირკმელი)
- Arabs الكلى

