

Improving Healthcare Nationwide through Clinical Auditing

Preconditions, Results and Opportunities

Eric H Eddes

Director DICA

GastroIntestinal/Oncological Surgeon Deventer Ziekenhuis

Challenges in Healthcare

Dutch Institute for Clinical Auditing

- Aging population
- Multi (co-)morbidity
- New technologies

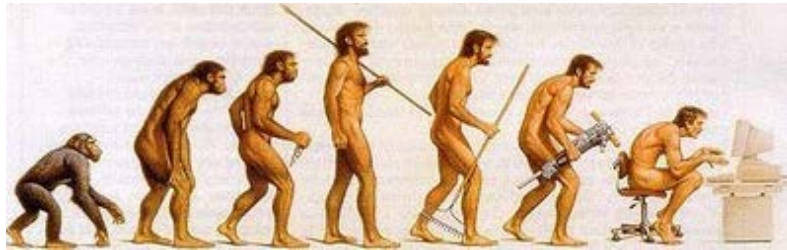
- Accessible
- Affordable
- Sustainable



Challenges in Healthcare

Dutch Institute for Clinical Auditing

- Valid Information
- Management Information
 - Quality
 - Finance
 - Patient (customer) satisfaction



Preconditions, setting standards

Dutch Institute for Clinical Auditing

- Robust methodology
 - Definitions
 - Correction
 - Site checks
- Nationwide ICT platform
 - Agreements
 - Exchange, eg EMR
 - Quality data, PROM's, financial data
- Professional Boards
- Nationwide coverage
 - Internal vs external use
 - Stepwise transparency



Preconditions, setting standards

Dutch Institute for Clinical Auditing



Preconditions, setting standards

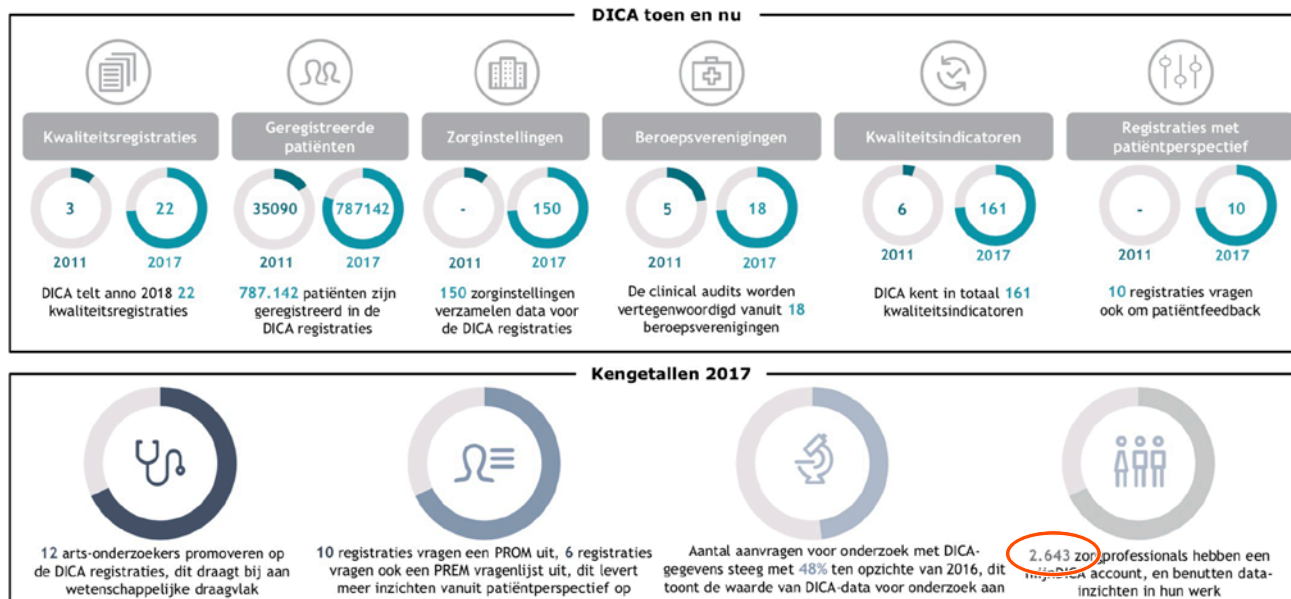
Dutch Institute for Clinical Auditing

- Robust methodology
 - Definitions
 - Correction
 - Site checks
- Nationwide ICT platform
 - Agreements
 - Exchange, eg EMR
 - Quality data, PROM's, financial data
- Professional Boards
- Nationwide coverage
 - Internal vs external use
 - Stepwise transparency



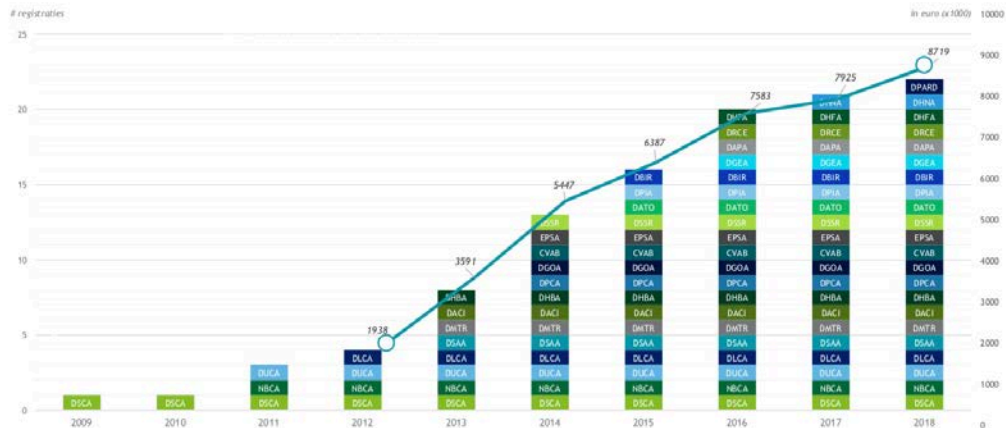
Dutch Institute for Clinical Auditing

development



Dutch Institute for Clinical Auditing

costs per patient



my DICA

Internal use through dashboard

Basisrapportage

Ziekenhuis: Deventer Ziekenhuis (123)

Registratie: DCRA

Hoofdstuk: Postoperatief

Jaar: 2018

1 / 1

Jaar: 2018
 Registratie: DCRA
 Rapportage: Postoperatief

Colon

	N	Uw ziekenhuis		Nederland	
		Mediaan	IQR	Mediaan	IQR
Opnameduur					
Mediaan	106	4,0	3,0	5,0	4,0

Complicaties*

	N	Uw ziekenhuis		Nederland	
		%		%	
Ja	14	13,2%		27,9%	
Nee	92	86,8%		68,9%	
Onbekend / niet ingevuld	0	0,0%		3,2%	

**Complicaties binnen 90 dagen*

Gecompliseerd beloop*

	N	Uw ziekenhuis		Nederland	
		%		%	
Ja	7	6,6%		13,6%	
Nee	99	93,4%		86,4%	

** Gecompliseerd beloop: overlijden binnen 30 dagen na de operatie of tijdens de ziekenhuisopname, een reïnterventie of een complicatie met een verlengde opnameduur (<14 dagen).*

Naadlekkage of abces ter plaatse van de naad (berekend over % anastomoses)

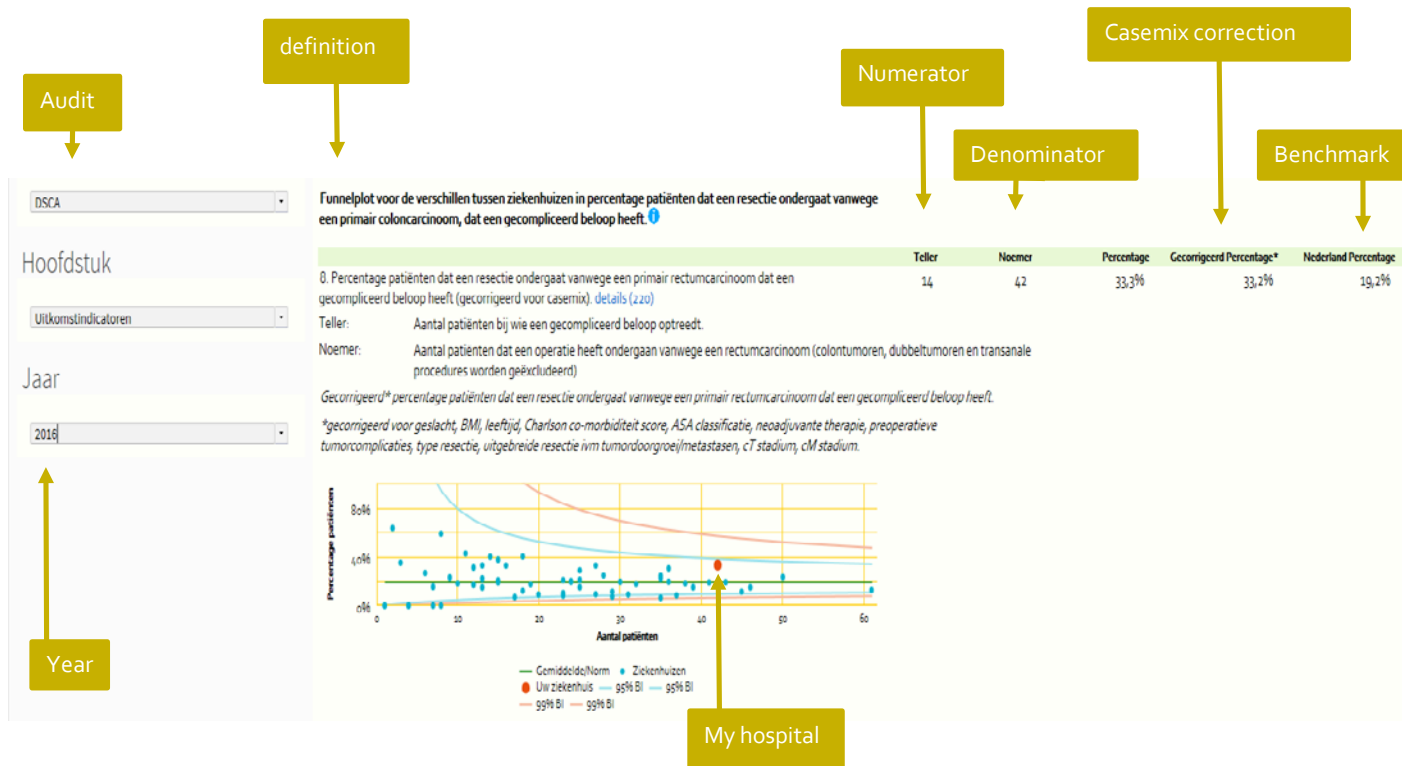
	N	Uw ziekenhuis		Nederland	
		%		%	
Ja	3	3,1%		4,8%	

Overleden*

	N	Uw ziekenhuis		Nederland	
		%		%	
Ja	1	0,9%		2,8%	
Nee	105	99,1%		90,7%	

my DICA

Internal use through dashboard

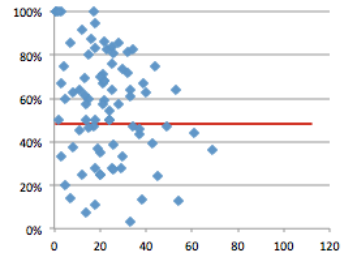


Improved Outcome

Colorectal Cancer Surgery

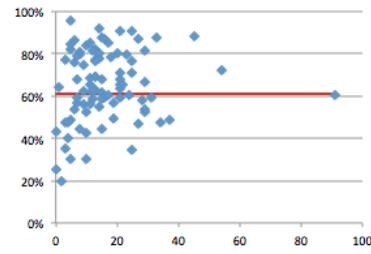
Percentage bekende CRM rectumcarcinoom gedurende jaren

2009



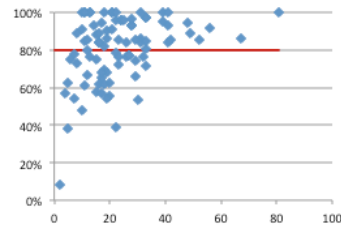
Mean 48%

2010



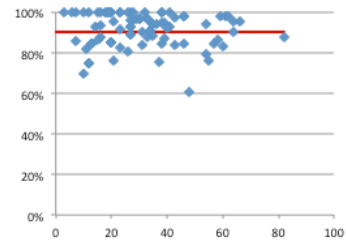
Mean: 61%

2011



Mean: 80%

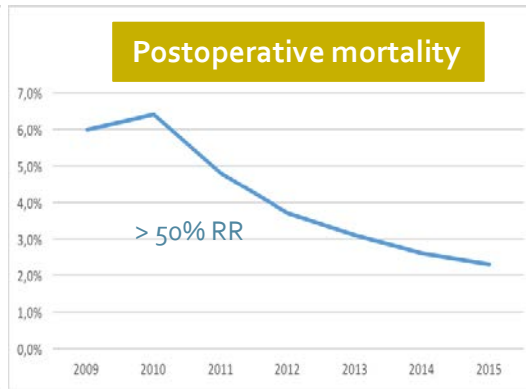
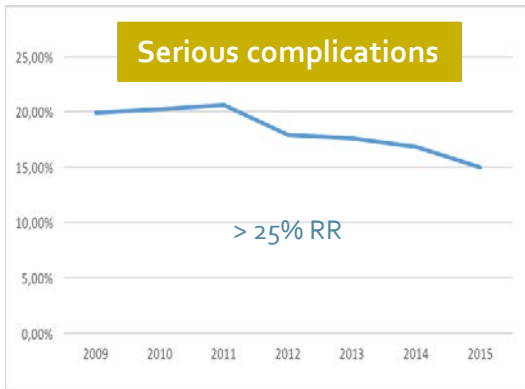
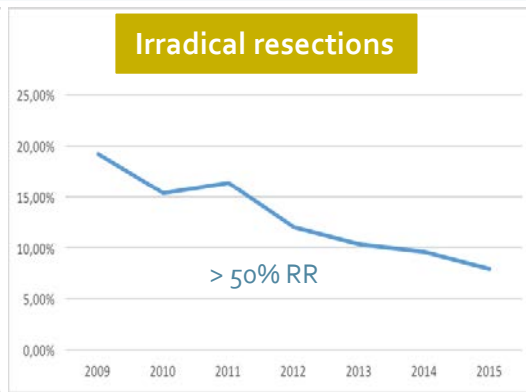
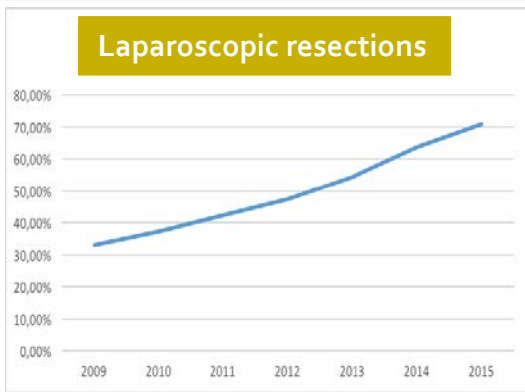
2012



Mean: 90%

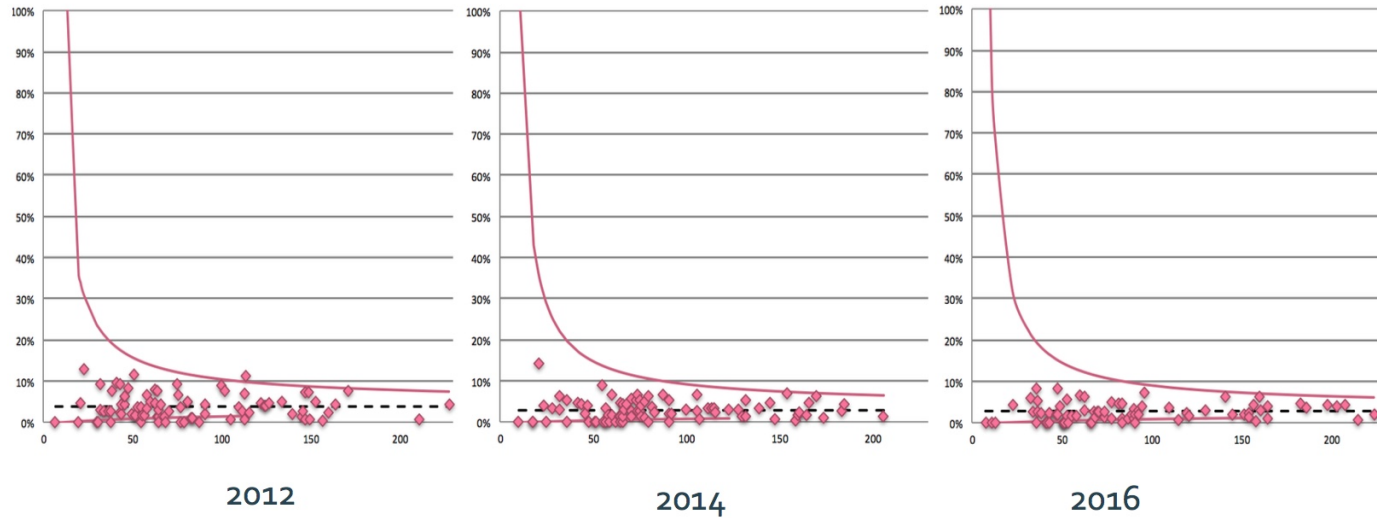
Improved Outcome

significant improvements



NBCA

National Breast Cancer Audity

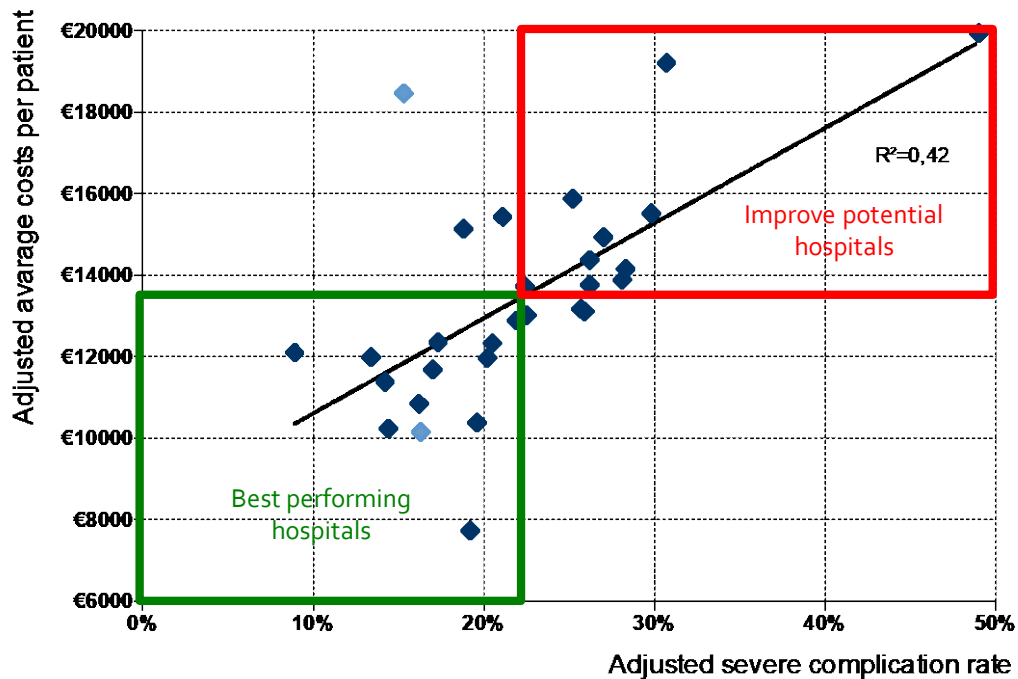


* Excl. neoadjuvante therapie
Irradical resections

2012	2013	2014	2015	2016
5,5%	5,0%	4,6%	4,4%	2,9%

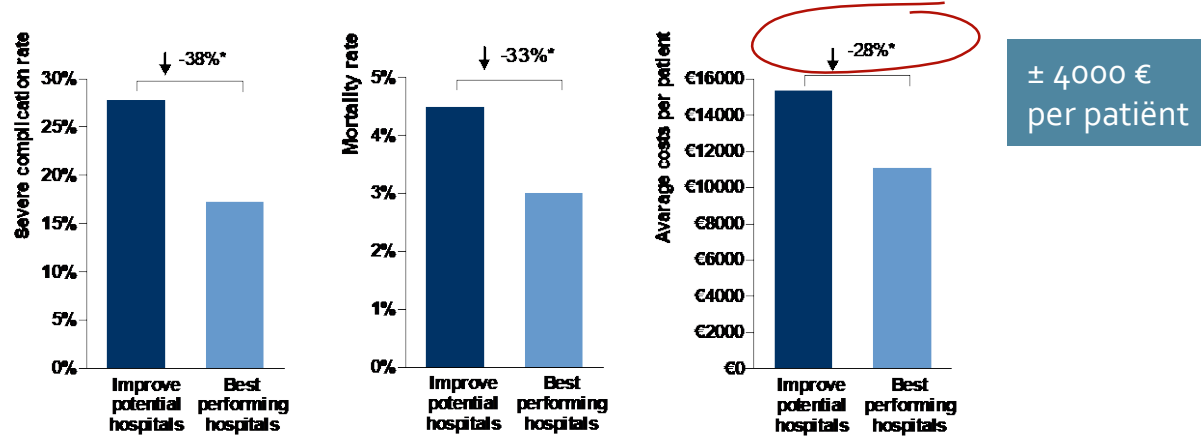
Dutch Colorectal Audit

improving potential



Dutch Value Based Healthcare Study

dutch colorectal audit, 29 hospitals



Dutch Institute for Clinical Auditing

(inter)national cost savings

- 20 million euro colorectal cancer
- Equivalent potential in other patient groups
- National potential in savings 10 – 20 %



Dutch Institute for Clinical Auditing

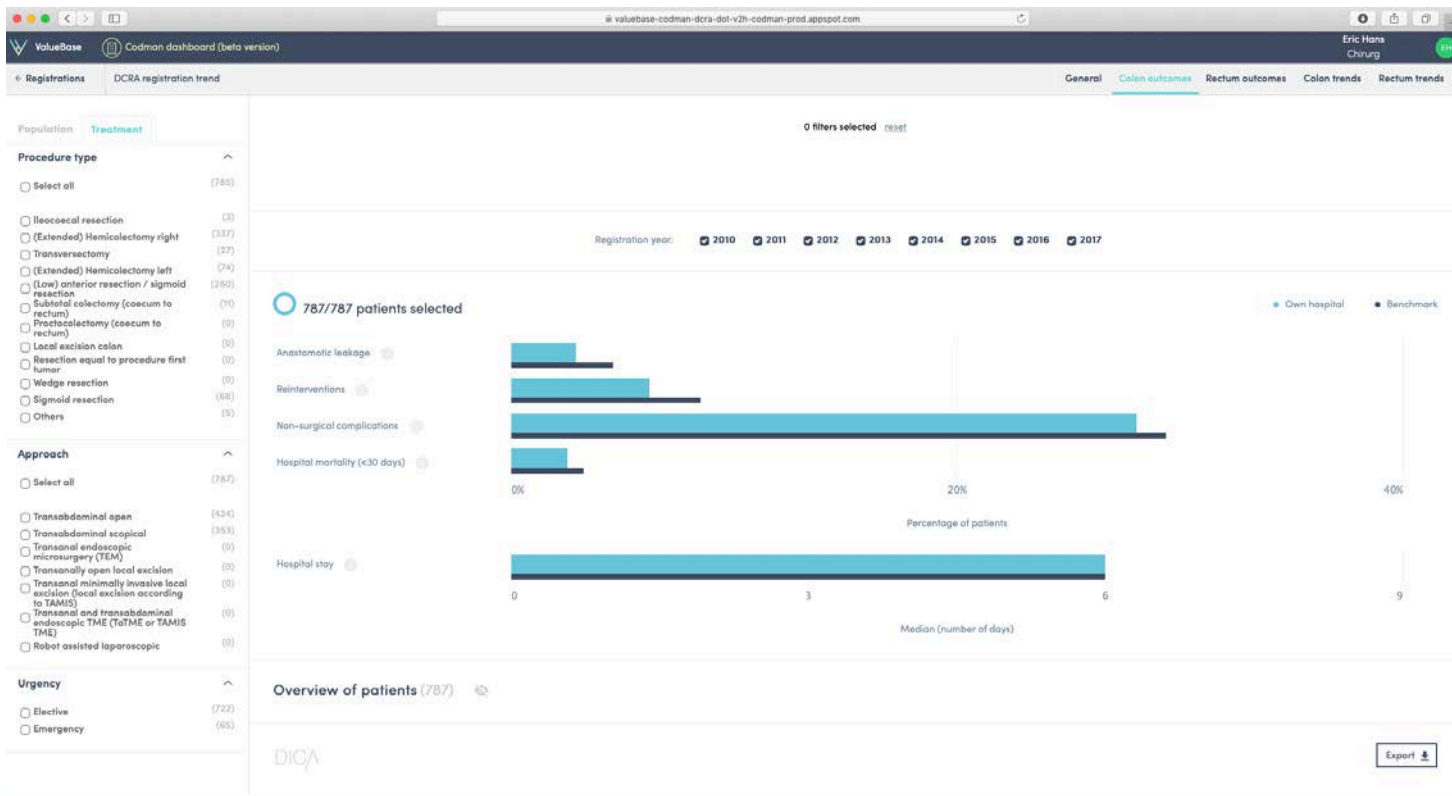
opportunities

- Shared decision making
- Decision Support
- Real Life Data
- Targeted therapy
- International comparisons



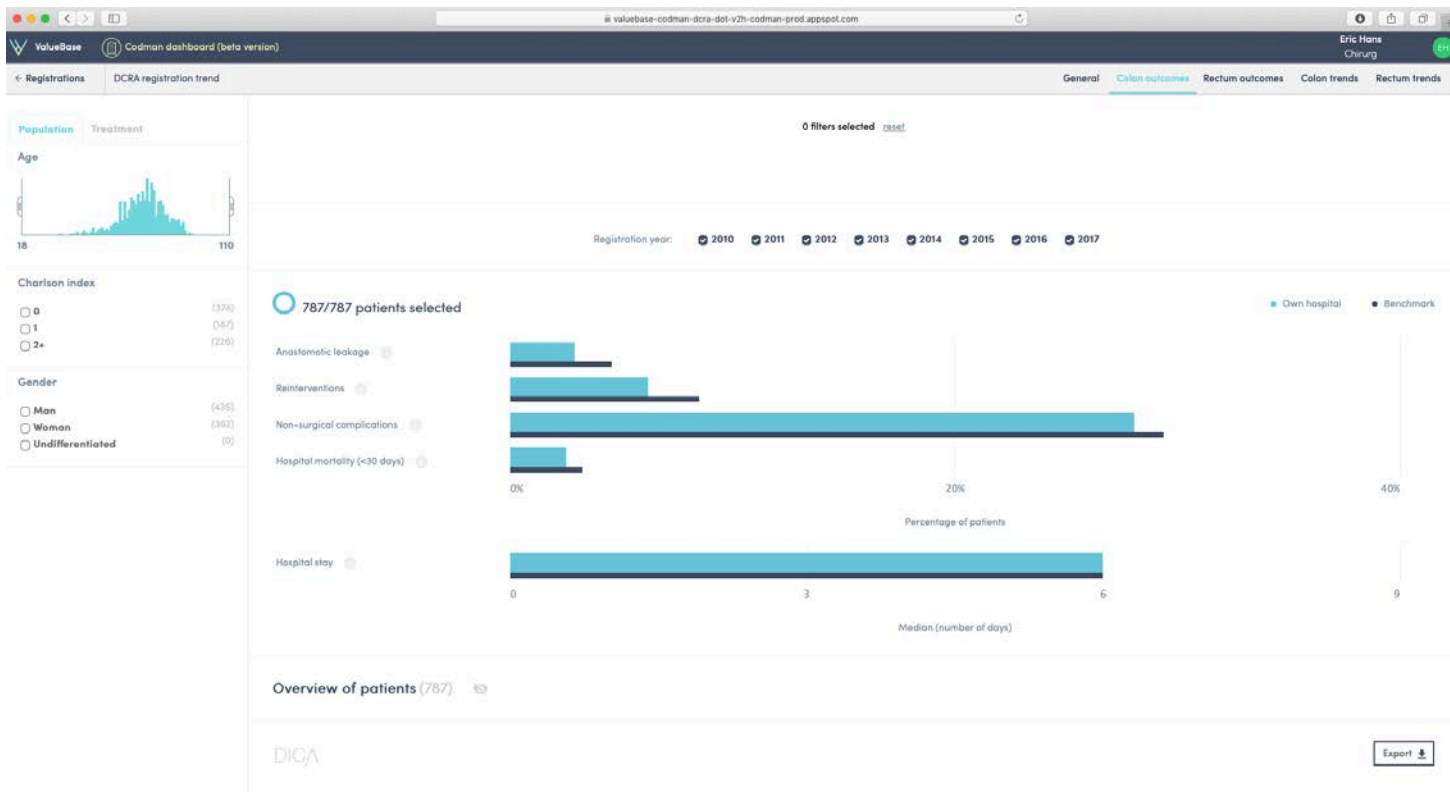
Dutch Institute for Clinical Auditing

shared decision making



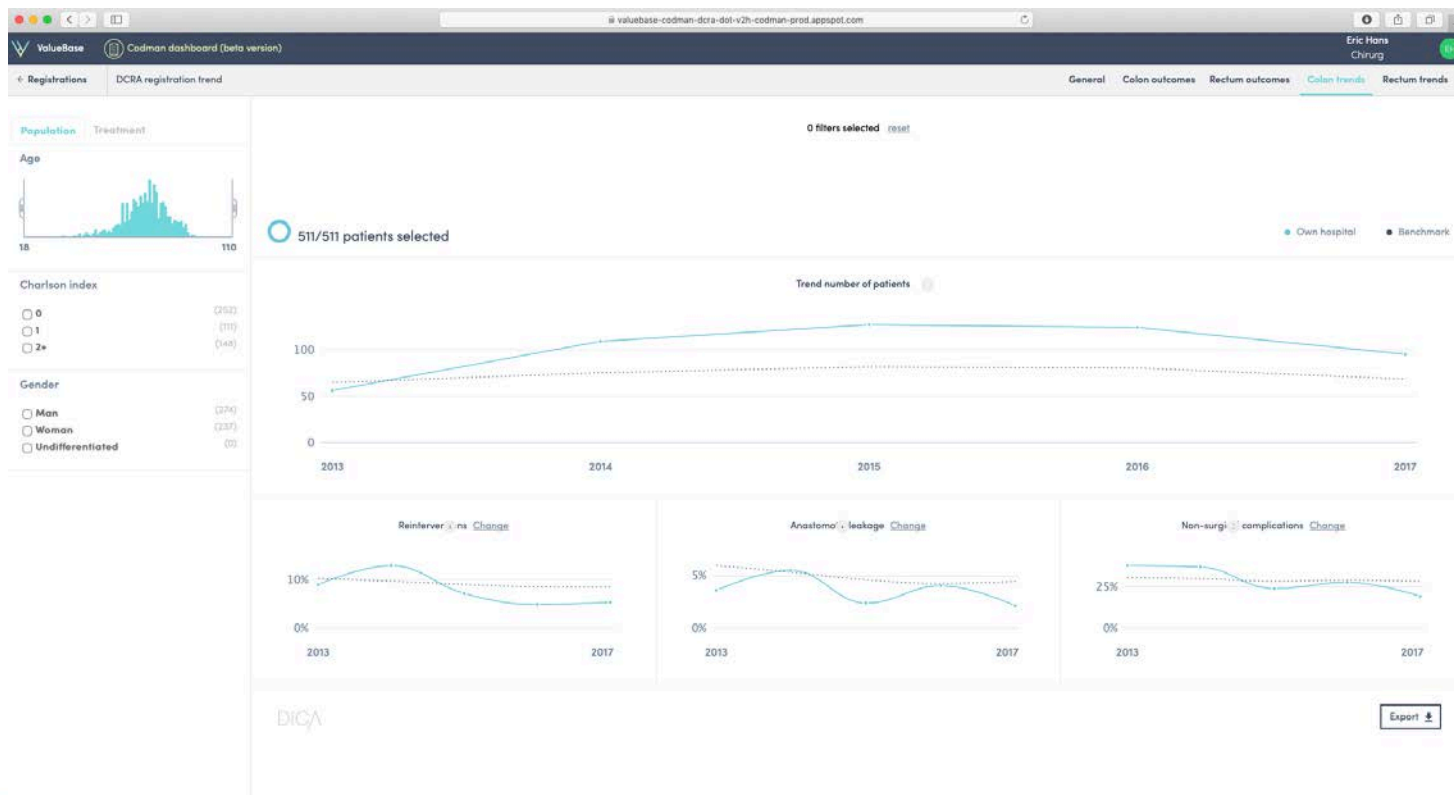
Dutch Institute for Clinical Auditing

shared decision making



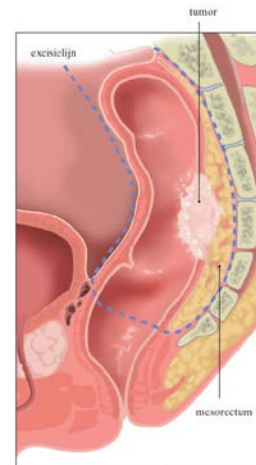
Dutch Institute for Clinical Auditing

shared decision making



Dutch Institute for Clinical Auditing

International comparisons; radiotherapy in rectal carcinoma



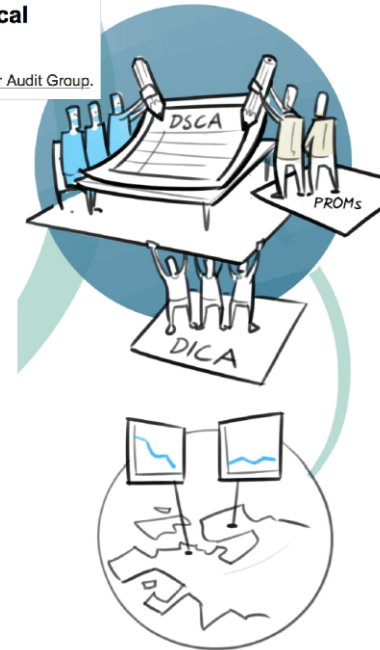
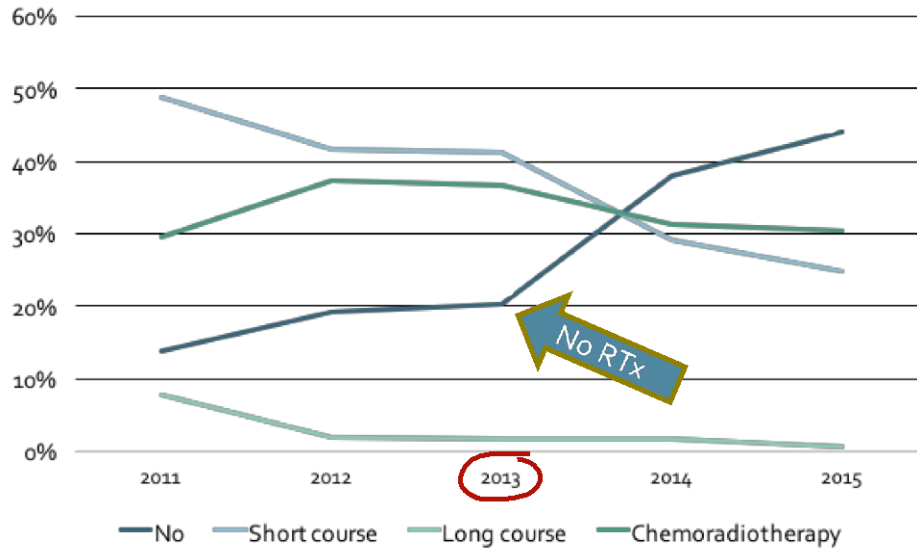
Dutch Institute for Clinical Auditing

International comparisons radiotherapy

Eur J Surg Oncol. 2013 Sep;39(9):1000-6. doi: 10.1016/j.ejso.2013.06.010. Epub 2013 Jun 28.

Evaluating national practice of preoperative radiotherapy for rectal cancer based on clinical auditing.

van Leersum NJ¹, Snijders HS, Wouters MW, Henneman D, Marijnen CA, Rutten HR, Tollenaar RA, Tanis PJ; Dutch Surgical Colorectal Cancer Audit Group.



Improving Healthcare through Clinical Auditing

