Multimedia Appendix 2. Patient and clinician survey perceptions of health information exchange.

Cturler				n survey perception				Desults
Study	Location	Setting	Health	Study type	Risk	Direction	Perception(s)	Results
			information		of	of result(s)	assessed	
			exchange		bias			
			type					
Afilalo et	Montreal,	Emergency	D ^a	Randomized	M ^b	Beneficial	Outcomes	Family physicians
al 2007	Canada	department		controlled trial			improved,	reported improved
[51]		(ED)					better patient	patient management
							management	and follow-up with
								exchanged summary
								of ED visit.
Altman et	New York	ED	D ^a	XS ^c	Mb	Beneficial	Primary care	Primary care
al 2012							provider	physicians reported
[42]							notification of	enhanced awareness
							ED	and improved
							admission/disc	communication and
							harge	follow-up after ED
								admission/discharge.
Campion	Rochester	OP ^d	Both	XS ^c	Mb	Beneficial	Physician	Physicians reported
et al	and Buffalo,						satisfaction of	satisfaction with both
2012 [43]	New York						push vs pull	push and pull health
								information
								exchange, with higher
								satisfaction for push.
Chang et	Indiana	OP ^d	Qe	XS ^c	Mb	Beneficial	Physician	Physicians more
al 2010							satisfaction	satisfied with
[44]							with electronic	electronic laboratory
							laboratory	reports than paper-
							reports	based reports.
Kaushal	Massachusett	ED	Da	XS°	H ^f	Mixed	Impact of	Providing pharmacy
et al	s						providing	information to
2010 [45]							pharmacy	physicians in the ED
							information	improved knowledge
								and gaps but was not
								felt to reduce time or
								be worth the cost.
		<u> </u>						

Study	Location	Setting	Health	Study type	Risk	Direction	Perception(s)	Results
			information		of	of result(s)	assessed	
			exchange		bias			
			type					
Maass et	Finland	OP ^d	Qe	XS°	H ^f	Beneficial	Improvements	Perceived
al 2008							in care	improvement in
[46]								ambulatory care
								function, resulting in
								faster acquisition and
								treatment decisions.
Machan	Tyrol, Austria	OP ^d	D ^a	XS ^c	Lg	Beneficial	Physician	Improved care and
et al							satisfaction	decreased work for
2006 [47]							with discharge	filing and archiving
							reports sent	discharge reports with
								health information
								exchange.
Park et al	South Korea	OP ^d	Da	XS ^c	Гa	Beneficial	Patient	Improved patient
2013 [48]							perceptions of	satisfaction when
							data	records were
							transferred	transferred via health
								information exchange
								over patients
								delivering paper
								records themselves.

^aD: directed

^bM: moderate

cXS: cross sectional

dOP: outpatient

eQ: query

fH: high

gL: low