Multimedia Appendix 2. Type of portal access and proxy authorship for any proxy users on behalf of patients with type 2 diabetes over the entire cohort study period, from 2006-2015 (N=3,782)

	No (%)
Type of proxy use	
Registered proxy use	197 (5.2)
Informal or "hidden" proxy use	3,585 (94.8)
Percent of all patient messages (2006 – 2015) authored	
by any proxy	
(continuous %) of secure messages by any proxy	$27\% \pm 30\%$ (range 0.4-
	100%)
<50% of secure messages by any proxy	3,007 (79.5)
≥50% of secure messages by any proxy	775 (20.5)