This document shows the calculation behind Telehealth Solutions' estimate that an average sized practice could save approximately £12,000 a year by using the SurgeryPod.

Patients can use the SurgeryPod to measure blood pressure, oxygen saturation, and bodyweight, and answer questionnaires to assess status on smoking, asthma, depression, CVD risk and more.

It means that routine measurements can be taken without assistance from staff, reducing the number of appointments taken up by simple, technical procedures.

Lowe & Cummin 2010 estimates this saves a GP surgery approximately 3.5 hours per week per 1000 patients on their list[1].

Below, our table shows how this can be considered an aggregate cost saving of approximately £12,000 a year for the average sized surgery, and over £20,000 a year for practices with more patients.

That's a 4:1 return on investment in the first year, and 10:1 each year in subsequent years, or a net saving of £9,000 in the first year, and over £10,000 each year thereafter. Larger practices can expect to save considerably more.

Patients registered with practice	Hours Saved per week per 1000 patients (from Lowe & Cummin 2010)	Approximate staff cost saving per hour (£)	Hours saved per year by using the SurgeryPod (hrs)	Aggregate Yearly saving (£)	Return on investment in 1st year (X:1)	Return on investment in 2nd year and subsequent years (X:1)
6,000	3.5	£10.90	1092	£12,000	4.0	10.0
8,000	As above	As above	1456	£16,000	5.3	13.3
10,000	As above	As above	1820	£20,000	6.7	16.7

Below we've laid out how we calculated the average staff cost saving per hour . Our estimate uses healthcare assistants, though at some practices these tasks would be carried out by a GP or practice nurse. In such case, this figure could be liable to double.

Lowe et al's 'Use of Kiosk Technology in General Practice' asserts that the majority of the time saved by using a SurgeryPod will be from tasks that are carried out by healthcare assistants, but roughly 5% will be from tasks carried out by GPs.

Using information from the NHS IC, we've included the average wage cost per hour for healthcare assistants and GPs.

Combining both, we can provide a cost saving per hour that accurately monetises the time saved for both health care assistants and GPs.

Staff role	Time Saved in hours (from Lowe and Cummin 2010)	Time saved by discipline (%)	Time saved by discipline per 1000 patients	Wage cost per hour (from NHS IC)	Cost saved per week, by discipline	Aggregate cost saved per hour (£)
HCA	36	95%	3.3	£9.10	£30.00	£10.90
GP	2	5%	0.2	£40.00	£8.00	-
Total	38	-	3.5	-	£38.00	-

[1]Charles Lowe and Debra Cummin, 2010, Journal of Telemedicine and Telecare, Volume 16, Number 4, pp. 201-203