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<th>Project</th>
<th>Patient numbers</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Stroke/Rehabilitation</td>
<td></td>
<td>Varies throughout Scotland</td>
<td></td>
<td></td>
<td>Programme facilitated by the SCT - Networks allowing increased equity of stroke thrombolysis decision support. 1&lt;sup&gt;st&lt;/sup&gt; phase complete in Lothian allowing network of acute sites. 2&lt;sup&gt;nd&lt;/sup&gt; Phase to provide consultant home links for OOH equipment trials ongoing. 3&lt;sup&gt;rd&lt;/sup&gt; phase development of South East network for OOH. Regional planning commenced. Borders, Fife, Forth Valley, Dumfries &amp; Galloway ready to join phase 3 for Lothian Grampian acute to acute site providing 24/7 support from ARI to Elgin DGH. Commenced Dec 08. Western Isles link to ARI providing 24/7 support commenced August 09. Lanarkshire six month pilot if 9am-10pm support from patient in Wishaw General Hospital linking with consultant at home by video conferencing link and PACS imaging commenced August 09. Fife 1&lt;sup&gt;st&lt;/sup&gt; phase inter hospital support link between QMH and Victoria commenced August 09. 2&lt;sup&gt;nd&lt;/sup&gt; Phase development of OOH SE network. Highland plan to link the 3 acute sites, providing cover across the wide rural region in planning stage. Ayrshire and Arran 1&lt;sup&gt;st&lt;/sup&gt; phase – equipment installation for link between 2 acute sites. 2&lt;sup&gt;nd&lt;/sup&gt; phase link with larger network for OOH Greater Glasgow and Clyde - Initial planning for link between 2 acute sites. Tayside – Initial planning for link between 2 acute sites. At Nov 09</td>
<td>1</td>
<td>SCT – Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a> National Clinical Lead – Prof Peter Langhorne NHS Lothian - Prof Martin Dennis NHS Borders – Dr Sue Kerr NHS D&amp;G – Dr Ian Hay NHS FV – Dr Sandy Grant NHS Grampian - Dr Mary Joan Macleod NHS WI – Dr David Rigby NHS Lanarkshire - Dr Mark Barber NHS Fife – Dr Vera Cevro NHS Highland – Dr Paul Findlay Dr James Godfrey NHS GG &amp;C – Dr Christine McAlpine NHS Tayside – Dr Alex Doney</td>
</tr>
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## Scottish Telehealth Initiatives Dec 2009

Please ratify information below with project contact

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<tr>
<td>TIA rapid access tele-clinic</td>
<td>NHS Grampian/NHS Orkney/SCT</td>
<td>Now a recognised service</td>
<td>Capital costs from central funding for telestroke held with SCT</td>
<td>Tandberg</td>
<td>Patient Tele consultation over VC with consultant in Aberdeen from referring GP Practice on Orkney mainland and outer Isles within 24 hours of presentation at GP- Commenced July 08</td>
<td>21</td>
<td>Dr Mary Joan Macleod <a href="mailto:m.j.macleod@abdn.ac.uk">m.j.macleod@abdn.ac.uk</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCT - Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a></td>
</tr>
<tr>
<td>Telesstroke Rehabilitation</td>
<td>NHS Grampian/SCT</td>
<td>Planning</td>
<td>Capital costs from Stroke NAC/MCN</td>
<td>Tandberg/ Polycom PVX</td>
<td>Link from new stroke rehabilitation unit in Fraserburgh to Aberdeen stroke unit. Providing remote goal setting initially</td>
<td></td>
<td>NSG Therese Jackson <a href="mailto:Therese.jackson@nhs.net">Therese.jackson@nhs.net</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCT - Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a></td>
</tr>
<tr>
<td>LTC/COPD/Rehabilitation</td>
<td>University of Edinburgh/NHS Lothian/JIT/SCT/Edinburgh City Council/CHP</td>
<td>Ongoing</td>
<td>CSO Edinburgh City Council/JIT Edinburgh CHP CPT</td>
<td>Intel, Tunstall, IEM</td>
<td>CSO funded suite of LTC RCT’s including COPD HBP Diabetes, Stroke/HBP</td>
<td>50-&gt;300 -&gt; 400 -&gt; 270 -&gt; 400</td>
<td>Brian McKinstry <a href="mailto:brian.mckinstry@ed.ac.uk">brian.mckinstry@ed.ac.uk</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sandra Auld <a href="mailto:Sandraauld@btinternet.com">Sandraauld@btinternet.com</a></td>
</tr>
<tr>
<td>Lanarkshire COPD</td>
<td>NHS Lanarkshire/JIT</td>
<td>Ongoing</td>
<td>JIT</td>
<td>Axsys Excelicare</td>
<td>Symptom score keyed in to mobile phone If preset parameters exceeded, HCP contacts patient to advise</td>
<td>40</td>
<td>Anne Mulligan <a href="mailto:Anne.Mulligan@lanarkshire.scot.nhs.uk">Anne.Mulligan@lanarkshire.scot.nhs.uk</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nessa Barry <a href="mailto:Nessa.barry@nhs.net">Nessa.barry@nhs.net</a></td>
</tr>
<tr>
<td>Renfrew COPD</td>
<td>Renfrew CHP</td>
<td>Ongoing</td>
<td>Telehealth Solutions</td>
<td>Chubb</td>
<td>Joint health &amp; social care initiative - COPD project in which SCT is involved in an advisory capacity – 2 workstreams – patient pods situated in patients’ home which symptom score entered into, screened by practice nurse/GP &amp; appropriate action taken Patient pods – situated in GP practice where health information collated prior to seeing HCP. Short-listed in Top Team category 2008 Scottish Health Awards</td>
<td>20</td>
<td>Tricia Daniel <a href="mailto:Patricia.Daniel@renver-pct.scot.nhs.uk">Patricia.Daniel@renver-pct.scot.nhs.uk</a></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Colin Marchment <a href="mailto:colin.marchment@renver-pct.scot.nhs.uk">colin.marchment@renver-pct.scot.nhs.uk</a></td>
</tr>
<tr>
<td>Inverclyde Telehealth</td>
<td>Inverclyde CHP</td>
<td>Pilot</td>
<td>JIT</td>
<td>Chubb</td>
<td>Joint health &amp; social care initiative. COPD patients supplied with Homehub and given continuous</td>
<td>10</td>
<td></td>
</tr>
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<tr>
<td>Fife COPD</td>
<td>NHS Fife</td>
<td>Planning</td>
<td></td>
<td></td>
<td>Symptom score entered into table-top &quot;patient pod&quot;. If preset parameters exceeded, HCP contacts patient to advise</td>
<td>20</td>
<td>Suzanne Brannan</td>
</tr>
<tr>
<td>Argyll &amp; Bute project COPD</td>
<td></td>
<td>Planning</td>
<td>JIT</td>
<td>Telehealth Solutions</td>
<td>Patients in care home or community setting Winner of Innovation &amp; Improvement category 2009 Scottish Health Awards</td>
<td>40</td>
<td>Lynn Garrett</td>
</tr>
<tr>
<td>Tayside tele pulmonary rehab</td>
<td>NHS Tayside/SCT</td>
<td>Ongoing</td>
<td>Using existing VC equipment. Maintenance revenue costs via NHST IT dept.</td>
<td>Tandberg</td>
<td>Patients linked from community base with physio to remote site with physio assistant for pulmonary rehab classes using videoconferencing Oct-Dec 08</td>
<td></td>
<td>See table</td>
</tr>
<tr>
<td>Dumfries &amp; Galloway tele pulmonary rehab</td>
<td>BLF/SCT/NHS D&amp;G</td>
<td>Planning</td>
<td>Tandberg</td>
<td></td>
<td>Proposed project based on Tayside model</td>
<td></td>
<td>Mari-Anne Syme</td>
</tr>
<tr>
<td>East &amp; Midlothian CHP’s tele pulmonary rehab</td>
<td>BLF/SCT/East &amp; Midlothian CHP’s</td>
<td>Planning</td>
<td></td>
<td></td>
<td>Proposed project based on Tayside model</td>
<td></td>
<td>Morag Barrow</td>
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<tr>
<td>Patients Assessed</td>
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<td></td>
<td></td>
<td>12</td>
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<tr>
<td>Patients Completed</td>
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<td></td>
<td></td>
<td>10</td>
<td>2</td>
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<tr>
<td>No of attendances</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>122</td>
<td>34</td>
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Scottish Centre for Telehealth
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<tr>
<td>Borders tele pulmonary rehab</td>
<td>BLF/SCT/ NHS Borders</td>
<td>Planning</td>
<td></td>
<td></td>
<td>Proposed project based on Tayside model</td>
<td></td>
<td>Sandra Pratt <a href="mailto:sandra.pratt@borders.scot.nhs.uk">sandra.pratt@borders.scot.nhs.uk</a></td>
</tr>
<tr>
<td>Highland Remote rehabilitation</td>
<td>NHS Highland/University of Aberdeen/CHSS/Cherful Chesters</td>
<td>Planning research project</td>
<td></td>
<td>Distance Lab</td>
<td>Developmental project running first feasibility study of remote-&gt;home pulmonary rehab</td>
<td>8 patients</td>
<td>Prof Dave Godden <a href="mailto:d.godden@abdn.ac.uk">d.godden@abdn.ac.uk</a></td>
</tr>
<tr>
<td>Telerehabilitation Scoping Study</td>
<td>SCT</td>
<td>Consultation with NHS boards nearly complete. In write up stage.</td>
<td>SCT</td>
<td>N/A</td>
<td>Scoping study to investigate the potential use of telerehabilitation in Scotland. Discussion forums held with stakeholders e.g. NHS boards, Local Authority Telecare leads, professional bodies, patient groups etc. Outcome will be recommendations around the potential implementation of telerehabilitation in Scotland.</td>
<td>N/A</td>
<td>Anne Hill – SCT consultant. <a href="mailto:Annehill1@nhs.net">Annehill1@nhs.net</a></td>
</tr>
<tr>
<td>COPD Telehealth in Aberdeen City</td>
<td>Aberdeen City CHP</td>
<td>Planning</td>
<td>eHealth Demonstrator monies</td>
<td>To be agreed</td>
<td>This pilot project seeks to find out if the use of specific Telehealth monitoring in patients homes can help in the management of patients with unstable COPD – e.g. reducing the number of acute episodes and for some, reducing the need for admission or at least reducing the length of stay in hospital.</td>
<td></td>
<td>Jackie Bremner, Service Planning Lead <a href="mailto:Jackie.bremner@nhs.net">Jackie.bremner@nhs.net</a></td>
</tr>
<tr>
<td>COPD Project – Peterhead</td>
<td>Aberdeenshire CHP</td>
<td>Planning</td>
<td>CHP/JIT funding</td>
<td>To be agreed</td>
<td>Planning stage – early supported discharge for patients with COPD, and short term monitoring at home.</td>
<td></td>
<td>Ian Powell, Project Manager Elderly Services &amp; Long-Term Conditions Redesign <a href="mailto:Ian.powell@nhs.net">Ian.powell@nhs.net</a></td>
</tr>
<tr>
<td>Borders COPD home monitoring</td>
<td>NHS Borders LTC programme/Borders Council</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sandra Pratt <a href="mailto:sandra.pratt@borders.scot.nhs.uk">sandra.pratt@borders.scot.nhs.uk</a></td>
</tr>
<tr>
<td>Met Office Healthy Outlook® COPD Forecast Alert Service</td>
<td>Moray CHSCP</td>
<td>Ongoing use of service</td>
<td>set up fee for each CHP area; cost per patient per winter for 2009/10 Funded locally</td>
<td>Met Office</td>
<td>Automated telephone weather alert service and patient information leaflet for patients with COPD. Promotes self care by patients to help prevent exacerbations and hospital admissions. Service used throughout the UK.</td>
<td>8134 across UK</td>
<td>Lorna Bernard <a href="mailto:Lorna.bernard@moray.gov.uk">Lorna.bernard@moray.gov.uk</a></td>
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<tr>
<td>East and Mid Lothian CHPs</td>
<td>West Glasgow CHP</td>
<td>Ongoing use of service</td>
<td>Discontinued</td>
<td>by CHPs</td>
<td>refer to service from <a href="http://www.health-e-space.com">www.health-e-space.com</a> website. Service being administered centrally by CHSCP.</td>
<td>Conventional use via GP Practices</td>
<td>Carol Lumsden <a href="mailto:Carol.Lumsden@nhslothian.scot.nhs.uk">Carol.Lumsden@nhslothian.scot.nhs.uk</a> Janice Kinnard <a href="mailto:Janice.Kinnaird@ggc.scot.nhs.uk">Janice.Kinnaird@ggc.scot.nhs.uk</a></td>
</tr>
<tr>
<td>Grampian Own Health LTC – COPD, Diabetes, Obesity -</td>
<td>NHS Grampian</td>
<td>Did not progress from planning to pilot</td>
<td>SGHD funding applied for</td>
<td>Pfizer Health Solutions</td>
<td>Based on “Birmingham Own Health” model - patients encouraged, by telephone intervention, to make &amp; maintain lifestyle adaptations to improve health outcomes</td>
<td></td>
<td>Linda Duthie <a href="mailto:Linda.Duthie@nhs.net">Linda.Duthie@nhs.net</a></td>
</tr>
<tr>
<td>Ayrshire co-creating health Patient Portal</td>
<td>The Health Foundation/NHS Ayrshire &amp; Arran</td>
<td>3 year demonstration programme (2007-2010)</td>
<td></td>
<td></td>
<td>The Patient Online Portal Project will create a website that people can access and use anywhere. Specific patient groups that will use the portal initially are those diagnosed with either COPD or Diabetes Some of the options that will be available include: - Access to appropriate and reliable information - Access to GP summary information, requesting prescriptions, getting laboratory results - Self Management Support for long term conditions (COPD / Diabetes) - Recording of personal information such as weight, blood pressure, exercise taken</td>
<td>People living with COPD in NHS A&amp;A (around 7000)</td>
<td>Craig White <a href="mailto:Craig.White@aapct.scot.nhs.uk">Craig.White@aapct.scot.nhs.uk</a></td>
</tr>
<tr>
<td>Coronary Heart Disease/ Hypertension</td>
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<tr>
<td>TeleSCOT CCF Telemetry</td>
<td>University of Edinburgh/NHS Lothian/JIT/SCT/Edinburgh City Council/CHP</td>
<td>Planning</td>
<td>From TeleSCOT funding</td>
<td>Heart Failure team</td>
<td>To install home telemetry to assist in the care of CCF patients already identified &amp; being looked after by the Lothian</td>
<td>25-&gt;165</td>
<td>Brian McKinstry <a href="mailto:brian.mckinstry@ed.ac.uk">brian.mckinstry@ed.ac.uk</a> SCT – Sandra Auld <a href="mailto:sandraauld@btinternet.com">sandraauld@btinternet.com</a></td>
</tr>
<tr>
<td>Telecardiology Project</td>
<td>Argyll and Bute CHP</td>
<td>Ongoing 1 year project</td>
<td>Highland HB</td>
<td>GE (vivid i) Cardiosoft Tandberg</td>
<td>Bi-weekly cardiology clinic linking patients attending as an outpatient in Mid Argyll Hospital to a Cardiologist at Glasgow Royal Infirmary via a video conferencing. This will be part of the routine cardiology outpatient clinics held in Glasgow. A trained cardiovascular nurse facilitates the clinic and takes patient history to ensure all appropriate tests are completed. The nurse will carry out BP recording and blood tests during the clinic. ETT, echocardiography and ECG testing will be carried out during the clinic by a cardiac physiologist with cardiovascular nurse assistance. Results are viewed in real time by cardiologist, discussed with nursing team, and management plan agreed.</td>
<td>15 patients (end Oct 09)</td>
<td>Alexandra Kirkpatrick <a href="mailto:Alexandra.kirkpatrick@nhs.net">Alexandra.kirkpatrick@nhs.net</a> Maggie Clark <a href="mailto:Maggie.clark2@nhs.net">Maggie.clark2@nhs.net</a></td>
</tr>
<tr>
<td>Dufftown BP Home Monitoring project</td>
<td>Moray CHSCP</td>
<td>Ongoing 1 year project</td>
<td>Moray CHP</td>
<td>Omron</td>
<td>Practice trialling home monitoring of known hypertensive patients. Baseline measurements are taken before patients are issued with Omron M10-IT BP machines, trained in its use, and asked to measure BPs at home. Now in Phase 3 of project – patients download BP readings onto home pc and send to GP via secure webpage on health-e-space website. GPs review results and respond to patients with further advice and actions. See <a href="http://www.health-e-space.com/telehealth-in-moray--digital-dufftown">http://www.health-e-space.com/telehealth-in-moray--digital-dufftown</a> 41 patients recruited to date – proposal for 50 patients to be monitored for 1 year.</td>
<td>50</td>
<td>Shirley French <a href="mailto:Shirley.french@nhs.net">Shirley.french@nhs.net</a></td>
</tr>
<tr>
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<tr>
<td><strong>Dermatology/ LTC/18 weeks RTT</strong></td>
<td>NHS FV/SCT</td>
<td>Initial observation study</td>
<td>6 months initial funding</td>
<td>N/A</td>
<td>Email phototriage of urgent skin cancer referrals – photographs taken in primary care location – study group &amp; comparator group – exploration of extension to other clinical areas – surgical, ENT, maxillary facial Results from 6 month study show 93% patients in etriage group obtained definitive treatment at first hospital visit <strong>63%</strong> of patients undergoing conventional treatment</td>
<td>400</td>
<td>Colin Morton <a href="mailto:Colin.morton@nhs.net">Colin.morton@nhs.net</a></td>
</tr>
<tr>
<td><strong>Diabetes/LTC</strong></td>
<td></td>
<td>Live clinic</td>
<td>Using existing resources</td>
<td>Tandberg</td>
<td>Live VC clinics for patients with diabetes in Orkney. Links to computer in Orkney for patient monitor readings. Supported locally by nursing staff. Consultant based in Aberdeen</td>
<td></td>
<td>Dr Sam Philip <a href="mailto:Sam.philip@nhs.net">Sam.philip@nhs.net</a></td>
</tr>
<tr>
<td>Grampian Diabetes Consultant linking with Orkney patients</td>
<td>NHS Grampian</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Unscheduled Care</strong></td>
<td></td>
<td>Phase 1 &amp; 2 complete</td>
<td>SCT/Cisco</td>
<td>Cisco</td>
<td>Trial of Cisco HealthPresence – remote consultations for general medical services bringing together high definition video conferencing with medical information from digitalised monitors and cameras. Primary aim of trials was to test safety and acceptability of HealthPresence and to explore the range of conditions that could be seen using HealthPresence. Publication of Phase 1 results: Heaney D, McClusky C, Caldown J, King G, Webster K, Mair F, Ferguson J. The introduction of a new consulting technology into the National Health Service in Scotland. Telemedicine and eHealth 2009 Vol 15, 6. Phase 2 results imminent. HealthPresence trial moving to NHS Lothian to introduce distance between Dr and Patient end, and to test across NHS infrastructure.</td>
<td>220</td>
<td>Christine McClusky <a href="mailto:Christine.mcclusky@nhs.net">Christine.mcclusky@nhs.net</a></td>
</tr>
<tr>
<td><strong>Unscheduled Care Project for OOH services via VC</strong></td>
<td>Grampian Emergency Medical Doctors (GMED) NHS Grampian</td>
<td>Pilot Complete</td>
<td>SCT</td>
<td>Tandberg</td>
<td>OOH patient pathway via telemedicine developed for pilot. Patients triaged via NHS24 or GMED to local community hospitals to be seen by GP via videoconferencing. Report available.</td>
<td>33</td>
<td>Karyn Webster <a href="mailto:Karyn.webster@nhs.net">Karyn.webster@nhs.net</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SCT – Cathy Dorrian <a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
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<tr>
<td>OOH GMS</td>
<td>NHS Tayside /SCT</td>
<td>No service at present.</td>
<td>Using existing VC equipment, revenue costs via NHST IT dept Maintenance</td>
<td>Tandberg</td>
<td>OOH general medical service from Blairgowrie &amp; Crieff minor injury units to Dundee GP Hub. Pilot commenced in April 08. No agreement re change of consulting site for equipment installation Currently being used for MIU nurse mentoring</td>
<td>18</td>
<td>NHS Tayside – Laureen Allan <a href="mailto:Laureen.allan@nhs.net">Laureen.allan@nhs.net</a>&lt;br&gt;SCT – Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a></td>
</tr>
<tr>
<td>Exploration into provision of acute CHD services using Telehealth</td>
<td>SCT/Scottish Ambulance Service</td>
<td>Initial planning</td>
<td>To be identified</td>
<td>Possibility of central service for all unscheduled care chest pain ECGs Option appraisal – looking at rotation of CCU’s, an identified centre, NHS24, other</td>
<td></td>
<td></td>
<td>SCT - Mr James Ferguson <a href="mailto:J.ferguson@nhs.net">J.ferguson@nhs.net</a>&lt;br&gt;SCT – Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a></td>
</tr>
<tr>
<td>Teleuveitis/glaucoma</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Teleuveitis</td>
<td>NHS Fife/SCT/NHS Grampian</td>
<td>Stopped</td>
<td>NHS Fife NHS Grampian (TB agreed)</td>
<td>Toshiba/ Tandberg/ Sony</td>
<td>Trial of live VC link to diagnose and manage uveitis unsuccessful. The area of the eye affected is very difficult to image without pixilation over VC. Worked with SHIL to establish a solution but cost to high. Potential re trial in 2010</td>
<td>2</td>
<td>NHS Fife – Dr Suzanne Brannan <a href="mailto:Suzanne.Brannan@faht.scot.nhs.uk">Suzanne.Brannan@faht.scot.nhs.uk</a>&lt;br&gt;SCT – Anne Duthie <a href="mailto:Anne.duthie@nhs.net">Anne.duthie@nhs.net</a></td>
</tr>
<tr>
<td>Telehealth for glaucoma care in the community</td>
<td>NHS Grampian/community optometry practices</td>
<td>Ongoing study</td>
<td>NHS Grampian/ SCT</td>
<td>NHSNet</td>
<td>Pilot study (100 patients) to examine the feasibility and acceptability to participants and – if successful – plan for a subsequent RCT to measure cost-effectiveness. Patients with established glaucoma attending the hospital eye service will be monitored at the local optometrist. The community optometrists would perform a visual acuity measurement, slit lamp examination, fundus biomicroscopy, Goldmann tonometry, SITA visual field test (Humphrey) and a fundus picture. Using telehealth, the consultant will receive information from community optometrist and inform the GP and optometrist of treatment changes</td>
<td>100 planned</td>
<td>Dr Augusto Azuara-Blanco, Consultant Ophthalmologist <a href="mailto:a.azuara-blanco@nhs.net">a.azuara-blanco@nhs.net</a></td>
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Scottish Centre for Telehealth
### Scottish Telehealth Initiatives Dec 2009

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</thead>
<tbody>
<tr>
<td>Head &amp; Neck Cancer Services ENT Tele-endoscopy Phase 1</td>
<td>NHS Grampian NHS Shetland SCT</td>
<td>Pilot complete</td>
<td>SGHD Luminal Studies Budget 62 day Cancer Pathway</td>
<td>Tandberg Olympus</td>
<td>Project complete. New telehealth clinics are now part of routine service delivery – 6 visiting &amp; 6 virtual clinics now part of OP SLA and is in Consultant’s job plan. Study published in 2009. Full economic evaluation undertaken by HERU University of Aberdeen. Final report available.</td>
<td>&gt;60</td>
<td>Mr. Kim Ah-See <a href="mailto:Kim.ah-see@nhs.net">Kim.ah-see@nhs.net</a> SCT – Cathy Dorrian Service Development Manager <a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
</tr>
<tr>
<td>Head &amp; Neck Cancer Services ENT Tele-endoscopy Phase 2</td>
<td>NHS Highland NHS Western Isles SCT</td>
<td>Pilot complete</td>
<td>SGHD Luminal Studies Budget 62 day cancer pathway</td>
<td>Tandberg Xion Olympus</td>
<td>Project complete. Meeting TBC with ENT dept in Raigmore to discuss move to routine service and expansion of care model within dept.</td>
<td>20</td>
<td>Leo McClymont <a href="mailto:Leo.mcclymont@nhs.net">Leo.mcclymont@nhs.net</a> SCT – Cathy Dorrian <a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
</tr>
<tr>
<td>Cancer/Palliative Care</td>
<td></td>
<td></td>
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<td></td>
<td>To provide a range of services from the Beatson Cancer Unit for patients, carers and staff</td>
<td></td>
<td>Tommy Gorman SCT – Cathy Dorrian <a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
</tr>
<tr>
<td>Macmillan Services</td>
<td>Beatson Cancer Unit Glasgow Western Isles</td>
<td>Planning Stages</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>The aim of the scoping study is a comprehensive overview of the practice of palliativecare in Scotland, a review of the current use of telehealth applications and anunderstanding of how these applications are perceived by patients and professionals. Report will be published on Cancer Care Research Centre website: <a href="http://www.cancercare.stir.ac.uk/index.htm">http://www.cancercare.stir.ac.uk/index.htm</a></td>
<td></td>
<td>Professor Yvonne Wengstrom <a href="mailto:yvonne.wengstrom@stir.ac.uk">yvonne.wengstrom@stir.ac.uk</a></td>
</tr>
<tr>
<td>Telehealth in palliative care – scoping exercise</td>
<td>CCRC, University of Stirling</td>
<td>report expected Dec 09</td>
<td>SCT</td>
<td>University of Stirling</td>
<td></td>
<td></td>
<td>Professor Nora Kearney <a href="mailto:canercare@stir.ac.uk">canercare@stir.ac.uk</a></td>
</tr>
<tr>
<td>Advanced symptom management system for use in palliative care</td>
<td>CCRC, University of Stirling</td>
<td>Phase 1 in progress; phase 2 expected to</td>
<td>SCT</td>
<td>University of Stirling</td>
<td>Phase 1: refine the existing mobile phone-based symptom monitoring system to make it suitable for palliative care.</td>
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<tr>
<td>Self Care Programme via VC for patients with Chronic Pain</td>
<td>Pain Association Scotland (PAS) SCT</td>
<td>Pilot Complete</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>Phase 2: conduct an RCT using standard QoL outcome measures.</td>
<td>Pilot successful. No further developments due to lack of resource/staff at PAS.</td>
<td>10</td>
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<tr>
<td><strong>Teleneurology</strong></td>
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<tr>
<td>Teleneurology Services</td>
<td>NHS Greater Glasgow &amp; Clyde NHS Western Isles SCT</td>
<td>New service</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>New service went live in July 09. Weekly clinics have been established to meet 18wk RTT for patients with a range of neurological conditions</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td>Teleneurology Services (Epilepsy Clinic)</td>
<td>NHS Highland SCT</td>
<td>New Service</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>New service went live on May 09 for patients who live in Wick saving them a 220 round mile trip to Raigmore Hospital in Inverness.</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Specialist Epilepsy Services via videoconferencing for patients with Learning Disability</td>
<td>Scottish Epilepsy Centre Quarriers National Tertiary Centre for Epilepsy NHS Highland SCT</td>
<td>Feasibility Study</td>
<td>Joint funded project By SCT &amp; NHS Highland</td>
<td>Tandberg</td>
<td>Study extended for a further 6 months due to successful initial stages.</td>
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</tr>
<tr>
<td>Specialist MND services via videoconferencing</td>
<td>Scottish Motor Neuron Disease Association NHS Highland NHS Orkney NHS Grampian SCT</td>
<td>Feasibility Study</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>Home trial successful, with end of life care provided for patient for 10wks. Other patients have been able to travel to local community hospitals for care/advice.</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Surgery</td>
<td>Aberdeen Surgical SCT NHS Dumfries &amp; Galloway</td>
<td>Feasibility Study</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>Study will establish feasibility/proof of concept of reviewing patients who have had Bariatric Surgery. Clinic went live from SCT to D&amp;G in Aug 09.</td>
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### Scottish Telehealth Initiatives Dec 2009

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<tr>
<td>Tele-laparoscopy/Tele-endoscopy &amp; Telementoring project</td>
<td>NHS Grampian NHS Tayside SCT</td>
<td>Feasibility Study</td>
<td>SGHD Luminal Studies Budget</td>
<td>Tandberg Olympus</td>
<td>Project objectives: To deliver live laparoscopic images via VC to clinical &amp; educational sites across NHSScotland; To provide a Telementoring service to clinicians; To establish post surgical review appointments; To deliver clinical teaching sessions to SpR’s across the north of Scotland.</td>
<td>Mr. Irafn Ahmed Mr. Iain Tait</td>
<td><a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
</tr>
</tbody>
</table>

### Health Information

| Health-e-space website | Moray CHSCP | Live (beta) | CHP funding | Website designed by NetData | Health-e-space will: • provide local health information • provide links to recommended health websites • allow you to network with other people in the area with similar health concerns and share your experiences • provide suggestions on how to live with your health concerns in Moray • raise the profile of health issues to the wider community Ultimately it will provide a platform for you to be able to upload health information specific to your own personal needs. | Dr Grant Cumming [grant.cumming@nhs.net](mailto:grant.cumming@nhs.net) Christine McClusky [christine.mcclusky@nhs.net](mailto:christine.mcclusky@nhs.net) |

### Prison Telehealth

| Prison Telehealth | SCT/Scottish Prison Service/HMP Aberdeen/NHS Grampian | Planning stage | Tandberg | Telemedicine being considered for prison population at HMP Aberdeen | | Christine McClusky [Christine.mcclusky@nhs.net](mailto:Christine.mcclusky@nhs.net) |

| North of Scotland Medium Secure Unit Project | Medium Secure Unit MCN/Project NoS PG | Planning Stages | MCN Budget | Tandberg | Regional Project to develop VC infrastructure to provide services from new MS Unit to be built in Perth. New build will be complete in 2011. ISDN6 lines have been installed in project office as an interim solution. | Dr. Tom White | SCT – Cathy Dorrian [Cathy.dorrian@nhs.net](mailto:Cathy.dorrian@nhs.net) |
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<tr>
<td><strong>LTC/Renal services</strong></td>
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<tr>
<td>VC Links to Renal Dialysis</td>
<td>NHS Highland</td>
<td>Planning</td>
<td>Competitive Health Services Project funding</td>
<td>Tandberg</td>
<td>This project will link the renal dialysis unit in Wick to the Renal department in Raigmore Hospital. See <a href="http://ehealthservices.eu/project">http://ehealthservices.eu/project</a> for info on competitive health services project</td>
<td>Dr Robert Peel, Physician <a href="mailto:robertpeel@nhs.net">robertpeel@nhs.net</a></td>
<td>Mary Wakeling <a href="mailto:m.wakeling@abdn.ac.uk">m.wakeling@abdn.ac.uk</a></td>
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<tr>
<td><strong>Paediatrics</strong></td>
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<tr>
<td>National Delivery Plan for Specialist Children’s Services Telemedicine Initiative</td>
<td>SCT</td>
<td>Ongoing</td>
<td>NDP allocation approx £800k over 3 years</td>
<td>Tandberg</td>
<td>Rollout of equipment and services to support all inpatient paediatric centres in Scotland. Services to be supported include clinical networking, clinical referrals and education</td>
<td>Hazel Archer <a href="mailto:hazel.archer@nhs.net">hazel.archer@nhs.net</a></td>
<td></td>
</tr>
<tr>
<td>Paediatric support of clinical decision making for Paediatric transfers</td>
<td>SCT</td>
<td>Project initiation</td>
<td>From NDP allocation</td>
<td>Tandberg</td>
<td>To develop the use of video conferencing to provide real time support for remote clinicians involved in unscheduled paediatric transfers</td>
<td>Hazel Archer <a href="mailto:hazel.archer@nhs.net">hazel.archer@nhs.net</a></td>
<td>Valerie Morrison <a href="mailto:Valerie.morrison@nhs.net">Valerie.morrison@nhs.net</a></td>
</tr>
<tr>
<td>Paediatric unscheduled care in remote and rural areas</td>
<td>SCT</td>
<td>Project initiation</td>
<td>From NDP allocation</td>
<td>Tandberg</td>
<td>To develop the use of video conferencing to provide clinical support for remote clinicians involved in the unscheduled care of children particularly from community and rural general hospitals</td>
<td>Valerie Morrison <a href="mailto:Valerie.morrison@nhs.net">Valerie.morrison@nhs.net</a></td>
<td></td>
</tr>
<tr>
<td>Paediatric Care at Home</td>
<td>SCT</td>
<td>Pilot</td>
<td>From NDP allocation</td>
<td>TBC</td>
<td>To pilot the use of video conferencing / web conferencing and data sharing to improve the care of children with complex or palliative care needs</td>
<td>Sharon Levy <a href="mailto:s.levy@nhs.net">s.levy@nhs.net</a></td>
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<tr>
<td><strong>LTC/Wheelchair services</strong></td>
<td></td>
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<tr>
<td>Wheelchair Services for Western Isles</td>
<td>NHS Highland NHS Western Isles</td>
<td>Planning Stages</td>
<td>Existing resource</td>
<td>Tandberg</td>
<td>To establish the feasibility of providing wheelchair services via VC from Raigmore to WI Hospital</td>
<td>Andrew Hulse <a href="mailto:Cathy.dorrian@nhs.net">Cathy.dorrian@nhs.net</a></td>
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<tr>
<td><strong>Remote Rescue</strong></td>
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<tr>
<td>Remote rescue – physiological monitoring</td>
<td>CRH</td>
<td>Complete</td>
<td>SCT</td>
<td>ST&amp;D limited, based in Belfast</td>
<td>A series of preliminary experiments designed to investigate the potential of a novel un-tethered, intelligent physiologic monitor. Will the physiologic monitor perform adequately in a controlled</td>
<td>Dave Godden <a href="mailto:d.godden@abdn.ac.uk">Centre for Rural Health d.godden@abdn.ac.uk</a></td>
<td></td>
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<tr>
<td>Carbon Emissions Calculator</td>
<td></td>
<td>Complete</td>
<td>SCT</td>
<td>Health Informatics Centre, University of Dundee</td>
<td>Environment to warrant more detailed investigation of its potential in a remote and rural healthcare setting? Data currently being written up as part of a PhD thesis – submission date 31 December 2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emissions calculator</td>
<td>SCT</td>
<td>Complete</td>
<td>SCT</td>
<td>Health Informatics Centre, University of Dundee</td>
<td>A web-based database to record, calculate and disseminate details about journey carbon emissions savings through the use of telehealth consultations.</td>
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**Scottish Centre for Telehealth**