

NHS Fife Insulin Pump Therapy for People with Type 1 Diabetes

Number of additional pumps required during 2012/2013 to raise pump usage to 25% is **31**

ACTION PLAN

	Description	Risk	Timescale
Service Infrastructure	<p>In December 2011, there were 21 patients under 18 on pumps in NHS Fife.</p> <p>Based on the number of patients under the age of 18 with Type 1 Diabetes being 214, 25% is 54 (53.5) patients.</p> <p>In order to meet the 25% target there should be funding for 33 further pumps.</p> <p>Taking into account the timing of the snap shot when the assessment was made, Fife has been advised of a commitment of 31 pumps.</p> <p>The funding document has allocated 20 pumps.</p>	<p>In order to meet the target of 31 pump starts, NHS Fife will have to implement a service redesign on how nursing and consultant provision is currently provided.</p> <p>It is felt that there is no risk to the targets being achieved through current nursing and medical resources.</p> <p>However, there is very limited scope for the redesign of the current Dietetic service provision and additional resource will be required to assist in the achievement of the target.</p> <p>There is also no scope for the redesign of the psychology service provision nor is there the ability to increase the service provision temporarily.</p>	
Staff Capacity	<p>NHS Fife currently provides a Paediatric and Adult insulin pump service.</p> <p>The Paediatric service provides care up to 16 years of age.</p> <p>There is a transitional service for patients, some of whom join the adult service at various ages between 14 and 18 years of age.</p> <p>Staff, who have the expertise to deliver this service include;</p> <ul style="list-style-type: none"> 2 x adult DSNs 2 x paediatric DSNs 2 x Dietitians 3 x Consultants 	<p>There is a risk that the money set aside from the Board's allocation will be impossible to quantify and therefore accurately identified to be used against staff time for the assessment, initiation and follow up for the pump service.</p> <p>This can be 'estimated' at between 4 and 6 hour-long appointments for both Diabetes Specialist Nurse and Dietitian. 2 x staff 6 hours (on average) per patient who enters the pump service.</p> <p>Mid band 6 x 6 hours = £109.92 Mid band 7 x 6 hours = £131.22</p> <p>If access to psychology is required, there is no built-in service; urgent referrals can take 4 weeks, normal referrals will be part of the waiting list for psychology services across all speciality requirements in Fife.</p>	

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		Consultant time would average out to half a session per week an estimate being £102.50	
Staff Expertise	<p>NHS Fife already has in place the knowledge, skills and expertise for delivery of insulin pumps to paediatric and adult patients.</p> <p>As detailed above, this includes a combination of Consultants, Nursing, and Dietetic all currently part of existing job descriptions.</p>	There is a risk that inadequate psychology provision may delay pump initiation.	
Risk Management	<p>Dietetic service provision.</p> <p>Demand for patients requiring pumps.</p> <p>Commitment of the patient e.g. frequent blood monitoring and carbohydrate counting</p>	<p>There is a risk that current time allocated within dietetic roles will be insufficient to meet the number of new patients starting pump therapy in order to meet the 25% target for under 18s.</p> <p>There is a risk that there are not enough patients to meet the 25% target; The assessment of patients for pump therapy is a robust process that allows an appropriate and safe service to be delivered. The staff actively raise awareness of the pump service but will not start a patient on CSII inappropriately. Although some patients may benefit clinically from CSII, there must be a clear commitment to this service from the patient, without this, pump therapy is deemed inappropriate.</p> <p>There is a risk that as the numbers increase, that in order to maintain the 25% target there will be a real annual increase in cost;</p> <p>Pump replacement approximately every 4 years = per pump £2,300 x 54 = £124,200 (minimum) within 5 years.</p> <p>Average cost for consumables and insulin per 31 pumps is £1,812, for 54 pumps = £3,156 per year.</p>	

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