**The role of the NHS Newborn and Infant Physical Examination Programme in improving health outcomes for children**

* I am focusing specifically on CHD.
* My school is in the UK so discussion must be relevant to UK healthcare (ie NHS is National Health Service and Primary care is delivered by General Practice (GP).

Introduction **( ~100 words)**

Congenital Heart Disease (CHD) has an incidence of approximately 600 per 100,000 live births for the moderate and severe forms of the disease. Approximately 18 per 100,000 are classed as Critical Congenital Heart Disease and require surgical intervention within the first year of life. It is therefore important that cases that have not been identified prenatally are detected early in the child’s life.

Description: The Infant Physical Examination Programme at Parkgate Medical Centre (GP) **(less than 100 words)**

The NHS Newborn and Infant Physical Examination Programme is aimed at screening for congenital diseases. The most important of these are congenital cataracts, CHD, undescended testicles and developmental hip dysplasia. Newborns undergo a physical examination within 72 hours of birth and a second one at six to eight weeks of age. At Parkgate Medical Centre the six to eight week check is performed by the GPs.

Public Health Aspects **(100-200 words)**

Halth Economics. Early identification saves NHS money?

Rather than checking only babies with risk factors, all babies are checked?

Health inequalities?

Discussion: Does the Infant Physical Examination in the primary care setting improve health outcomes for children? **(1000-1200 words)**

Some sources I’ve found

<http://newbornphysical.screening.nhs.uk/nationalprogramme>

<http://www.geneticseducation.nhs.uk/mededu/identifying-those-at-risk/national-screening-programmes>

<http://newbornphysical.screening.nhs.uk/evidence>

<http://www.england.nhs.uk/wp-content/uploads/2014/05/chd5-early-detection-chd.pdf>

<http://www.chphc.org/hostedsites/Documents/CHD_Webinar_021412.pdf>

<http://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/PEHDIC/Pages/Newborn-Screening-for-CCHD.aspx>

<http://www.cdc.gov/ncbddd/heartdefects/data.html>

<http://www.uptodate.com/contents/congenital-heart-disease-chd-in-the-newborn-presentation-and-screening-for-critical-chd>