

UK National Screening Committee



Screening Programmes

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Introduction

The UK National Screening Committee (UK NSC) is developing Quality Assurance (QA) processes across all the national non-cancer screening programmes in the English NHS.

The aim of QA is to provide information to the public and professionals about the quality of screening programmes. Quality assurance and performance management are an integral part of all national screening programmes to ensure that all programmes achieve the highest possible standards. Part of this work involves the development of failsafe processes and Map of Medicine care pathways.

Further details of cross programme QA, including the work on failsafe, can be found at <u>http://www.screening.nhs.uk/quality-assurance</u>.

What is Failsafe?

Screening should be offered to the eligible population in a timely manner; and these who are screened should receive their results (whether positive or negative) with sufficient information to understand them, and have them acted on appropriately. The value of a screening programme will be diminished if appropriate action is not always taken to ensure that the right people are invited to be screened, or if the right action is not taken to follow up those with abnormal test results.

Failsafe is a back-up mechanism, in addition to usual care, which ensures if something goes wrong in the screening pathway, processes are in place to (i) identify what is going wrong and (ii) what action follows to ensure a safe outcome.

Most risks and errors in a screening pathway can be predicted. They often arise from systems failure occurring along the screening pathway as opposed to individual error. A failsafe is a mechanism to "design out" or reduce these risks. It is a back-up mechanism, in addition to usual care, which ensures if something goes reang in the screening pathway, processes are in place to identify the error and correct it before any harm occurs.

The Failsafe Process 🔸

Failsafe should be a 'closed loop' process. The effective monitoring of failsafe requires the point at which a required activity is commenced and the point at which it is concluded to be noted (usually through a systematic process and/or an IT system), and a system to ensure that all opened loops have been closed within an appropriate timescale.

Opening the loop – a trigger which indicates that a process requiring a failsafe control for an individue this started; for example a pregnancy reported either by self referral or through primary case triggers the offer of an antenatal screening test.

Found the loop – an event or a stage of the screening pathway which denotes the conclusion of process requiring failsafe control for an individual; for example, the dispatch of a letter to inform parents that the results of newborn blood spot screening are normal. There may be a number of events that can result in a particular loop being closed; for example, a loop which is opened by a 'condition suspected' antenatal screening result might be closed by diagnostic testing confirming that the pregnancy is not affected, by parental choice to continue an affected pregnancy, or by termination of an affected pregnancy.

Ensuring the loop has been closed – an additional check, usually on a group of individuals, to identify any individual for whom a failsafe loop has been opened but not closed within a defined timescale; for example a systematic check that a sample card has been received at the screening laboratory for all babies born 17 or more days previously.

Most screening pathways will involve multiple failsafe loops at different levels of detail. Loops can exist within other loops; for example, a failsafe loop to ensure that every screen positive woman is offered diagnostic testing can exist within a broader loop ensuring that every woman who is screened is notified of the screening result.

Implementation of Failsafe

For this failsafe strategy to be implemented requires action at national, regional and local evel. The main roles and responsibilities are outlined below.

National: Screening programmes have assessed the screening pathway and Nertified areas of high risk that require failsafe measures. Assessments have considered the probability of an error occurring and the severity of the consequence, with this drawing on the terrning from serious incidents. Each programme has developed a diagram superimposed of their Map of Medicine pathway(s) showing the key risks along the screening pathway.

Regional: The regional team will provide expert advice on reducing risks in local programmes to providers, commissioners and SHAs. They will assess the robustness of local arrangements through audit, as part of peer review and in the investigation of incidents. They will act as a conduit for information and dialogue between national, regional and local level.

Commissioners: Commissioners are expected to incorporate the national guidance to reduce risk within service specifications and to oversee their implementation and functioning. The PCT, via its screening lead, is responsible for ensuing that the whole pathway is commissioned and that the elements communicate properties make all failsafes work. Working with providers, they should ensure that safeguards are in place throughout the screening pathway and for high risk groups. This will require clarity about roles and responsibilities of different providers, particularly at the interfaces.

Providers: All providers are expected to review and risk assess local pathways in the light of the national guidance and wave with Commissioners to develop, implement and maintain appropriate risk reduction measures. This should involve mechanisms to audit implementation and report incidents. Effective implementation requires routine staff training and development and may need thanges to local roles and responsibilities. Provider organisations are also expected to ensure that appropriate links are made with internal governance arrangements, such as task egisters.

NHS Fetal Anomaly Screening Programme

the main aim of the NHS screening programme for fetal anomaly ultrasound is to offer all pregnant women in England a minimum of 2 ultrasound scans. The first is an early scan, undertaken after 8 weeks gestation and used mainly for dating the pregnancy and confirming viability. The second ultrasound scan is offered between 18^{+0} to 20^{+6} weeks of pregnancy and screens for major structural anomalies.

The programme also ensures access to a uniform screening programme which conforms to an agreed level of quality for all pregnant women in England who undergo screening for Down's

syndrome. This is supported by information for women so that they are able to exercise informed choice.

More information on the NHS Fetal Anomaly Screening Programme can be found on their website at http://fetalanomaly.screening.nhs.uk/.

The Map of Medicine

Map of Medicine is a visual representation of evidence-based, practice-informed care pathways for common and important conditions. Pathways are freely available for health professionals through NHS Evidence (http://www.mapofmedicine.com/england) and for the public on Choices (http://healthguides.mapofmedicine.com/). They are also signposted from eac screening programme's website and from the UK Screening Portal (http://www.screening.nhs.uk/mapofmedicine). They have been developed to ph accurate information on screening for health professionals and to promote safe, high a reening services throughout the NHS.

View the pathways:

<u>ing1.h</u>tml

http://eng.mapofmedicine.com/evidence/map/fetal_anomaly.sc/eeni. Down's Syndrome Screening Irome_screening1.html

Down's Syndrome Screening http://eng.mapofmedicine.com/evidence/map/downers for white white white http://eng.mapofmedicine.com/evidence/map/downers for white white white http://eng.mapofmedicine.com/evidence/map/downers for white white http://eng.mapofmedicine.com/evidence/map/downers for http://eng.mapofmedicine.com/evidence/map/downers/for http://eng.mapofmedicine.com/evidence/map/downers/fo

a. Down's Syndrome Screening



Failsafe Descriptions

	ID	Failsafe process	Opening the loop	Closing the loop	Ensuring the loop has been closed
	1 & 2	Identification of eligible population & offer of Down's syndrome screening	Identification of eligible population. All women offered/given written & verbal information about the dating scan & Down's syndrome screening test. All women offered first trimester 'combined' screening if CRL measures 45.0mm to 84.0mm. Second trimester screening to be offered where Fill's more han >84.0mm and HC is equal to or more than ≥101.0mm.	All eligible women in cohort offered screen Offer and maternal decision (accept or decline) about screening documented by health professional in woman's maternity record	Woman offered scans again by maternity health professional if no evidence of screening test documented in maternity record or upon enquity. Local aucht of offer, uptate of decision
べ	3 & 5	Scheef those who accept the offer of dating & / or Down's syndrome screening	Health professional documents the woman's decision in her maternity record.	Screener checks pre- test information has been given & is understood then carries out screening test. The sonographer completes the scan procedure and documents the findings in the maternity record and hospital IT system.	Woman offered scan again if no documented evidence of screening test result All ID data and information is completed on the form and checked with the woman. Ensure blood is received in the

			Ensure maternal blood sample taken for biochemical analysis if Down's syndrome screening is accepted.	laboratory
			Blood bottle & laboratory form labelled & completed correctly (+/- NT measurement) & sent to screening laboratory.	201
4/6	Screening (dating scan) declined Follow up at delivery	Health professional explains the importance of fetal dating e.g. for Down's syndrome screening	Health professional documents the woman's decision in her maternity record.	NIPE offered within 72 You's of delivery.
7 & 10/13,	High risk result obtained	Woman informed that she has a higher than expected chance of having a baby with Down's syndrome	The sinkings are documented in the we can's maternity record & hospital IT system. Hard copy [thermal] and/or digital images are taken and put with the report.	Cytogenetic laboratory result (where performed) is recorded in the maternal notes. Positive result - woman chooses to either continue with
11/12,				
14/15, 16/18/20				
	مُ	vith a specialist confirmatory test is offered.	Data matched with records to ensure that it is the correct person and details.	referral is made & results of appointment are documented) or
	public	Woman offered/given pre-test information and procedure discussed.	Health professional documents the woman's decision (accepted / declined) PND in her maternity	terminate her pregnancy. Histopathological examination offered post mortem.
VIS		Consent obtained.	record.	Ensure that specimen has been received in the laboratory
			diagnostic testing performed under ultrasound guidance (chorionic villus sampling [CVS] or amniocentesis depending on	Re-offer if no documented evidence of test results in maternal notes. 18 ⁺⁰ to 20 ⁺⁶ weeks



b. Fetal Anomaly Screening

Failsafe Overview



Failsafe Descriptions

D	Failsafe process	Opening the loop	Closing the loop	Ensuring the loop has been closed
2	Identification of eligible population and offer of screen	Identification of eligible population.	All eligible women in cohort offered screen	Woman offered scans again by maternity hea
		All women offered/given written and verbal information about the dating and fetal anomaly ultrasound scan.	Offer and maternal decision about screening documented by health professional in woman's maternity record	profession of no evidence of screening test documented in materity record or upon acquiry.
3	Screen those who accept the offer of dating & / or anomaly scan	Health professional documents the woman's decision in her maternity record.	Screener objects pre- test information has been given & is whose tood then barries out screening test	Woman offered scan again if no documented evidence of screening test result
4/6	Screening (dating scan) declined Follow up at delivery	Health professional explains the improvance of feta-dating e.g. for Down's syndrome screening	Health professional documents the woman's decision in her maternity record.	NIPE offered within 72 hours of delivery.
	Fetal anomaly costs and (linked to 10)	The woman is told of the scan finding(s). A second opinion may be sought (another sonographer or clinician).	The scan findings are documented in the woman's maternity record an hospital IT system. Hard copy [thermal] and/or digital images are taken and put with the report. Another sonographer or clinician re-scans the woman confirm or refute the original scan findings.	a-b. The sonographer/ clinician's report is available in the woman's maternity record and backed up on the hospital IT system.
	D 2 4/6	 D Failsafe process Identification of eligible population and offer of screen Screen those who accept the offer of dating & / or anomaly scan Screening (dating scan) declined Follow up at delivery Fetal anomaly oscieted (linked to vit) Fetal anomaly oscieted (linked to vit) 	D Failsafe process Opening the loop 2 Identification of eligible population and offer of screen Identification of eligible population. 2 Identification of eligible population. Identification of eligible population. 3 Screen those who accept the offer of dating & / or anomaly scan Health professional documents the woman's decision in her maternity, record. 7 Screening (dating scan) declined Health professional explaint/he imputince of fetaadating e.g. Nor Down's syndrome screening 7 Fetal anomaly usyntted (linked to vin The woman is told of the scan finding(s). 7 Fetal anomaly usyntted (linked to vin The woman is told of the scan finding(s).	D Failsafe process Opening the loop Closing the loop 1 Identification of eligible population and offer of screen Identification of eligible population. All eligible women in cohort offered screen 1 Mu women offered/given written and verbal information about the dating and fetal anomaly ultrasound scan. Offer and maternal decision about screening documented by health professional in woman's maternity record 1 Screen those who accept the offer of dating & / or anomaly scan Health professional documents the woman's decision in her maternity record. Screener serves pretest information about screening record. 1/6 Screen those who accept the offer of dating & / or anomaly scan Health professional documents the woman's decision in her maternity record. Screener states pretest information about screening record. 1/6 Screening (dating scan) declined Health professional screening record. Screener states pretest information about screening record. 1/6 Screening (dating scan) declined The scan findings are documents the woman's decision in ther maternity record. Screening 1/6 Screening The woman is told of the scan findings. The scan findings are taken and put with the report. 1/1 A second opinion may be sought (another sonographer or clinician). Another sonographer or clinician re-scans the woman confirm or refute the original scan findings.

Failsafe in the NHS Fetal Anomaly Screening Programme







