

Name...... D.O.B..... NHS Number...... Red flag checklist completed Y/N

Parent's concerns Y/N

Child/Young Person's concerns Y/N

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Answer the following screening questions and then complete the assessment. Record any concerns as an X in the appropriate boxes, or a ✓ if no concerns, with comments/observations as appropriate. Score ALL coloured boxes that apply, then add the colour totals to the summary boxes at the end of the assessment

	~	Difficulty/Restriction due to reduced ROM, contracture, swelling or pain <i>Exam</i>	Difficulty/abnormality due to weakness/asymmetry/ poor quality of , movement	Difficulty due to understanding/ clumsiness/ motor planning	Difficulty due to other observations e.g. hypermobility
Observation: Take T shirt off Look for any difficulties		X↓ ROM at shoulders			
Observation: Standing posture Swelling, alignment, rash, deformity	5				

The following questions can be answered by the child or young person, or by a parent or guardian on behalf of the child.

	No concerns ✓	Comments
Does your child have any pain or stiffness in		
their joints, muscles or back, that is		
impacting on their daily life? If yes, does the		
pain change over the course of the day?		
Have you noticed any difficulties when		
helping your child to get dressed?		
Does your child have any difficulty walking		
from one place to another (for example		
walking to nursery or school)?		
Do you have (or have you ever had) any		
concerns about your child's development		
(either gaining new skills or losing		
established skills)?		
When you think back, are there any skills		
that you have tried to teach your child to do		
that have taken longer than you think it		
should have (for example riding a scooter,		
playing a game)?		
With regards to everyday activities such as		
running and jumping, is your child able to		
keep up with other children of a similar age?		
Would you ever describe your child as being		
'accident prone' or more likely to have trips		
and falls?		



✓	Difficulty/Restriction due to reduced ROM, contracture, swelling or pain	Difficulty due to weakness/asymmetry/ poor quality of movement	Difficulty due to understanding/ clumsiness/ motor planning	Difficulty due to other observations e.g. hypermobility
Observation: Take T shirt off Look for any difficulties (can assist a 2 year old)				
Observation: Standing posture Swelling, alignment, rash, deformity				
Walk, walk on heels then tiptoes Look at ability and foot posture				
Hold hands out straight Elbow, wrist, finger extension Make a fist				
Supination,flexion of fingersPinch index finger				
and thumb Look at finger joints, functional grip Squeeze MCP joints				
Assess for tenderness Hands – Palm to				
palm/back to back Wrist flexion and extension Reach arms up,				
touch the sky, head back Elbow, wrist, neck extension Hands behind neck				
Shoulder abduction, external rotation Turn head to left				
and right Cervical spine rotation				
Three fingers (own) in mouth Temporomandibular joints (Younger child "Open as wide as you can")				



	✓	Difficulty/Restriction due to reduced ROM, contracture, swelling or pain	Difficulty/abnormality due to weakness/asymmetry/ poor quality of movement	Difficulty due to understanding/ clumsiness/ motor planning	Difficulty due to other observations e.g .hypermobility
Feel for effusion in knees Patella tap, cross fluctuation					
Active movement of knees Knee flexion/extension					
Leg length discrepancy (1cm or more) Eyeball or can measure					
Passive movement of hips Hip flexion/internal and external rotation					
Lower limb reflexes Patella, ankle, Babinski Bend forwards and					
touch toes Forward flexion of spine					
(Long sitting for younger child) Pull to sit from supine Check for head lag					
Rise from the floor (from supine) Not timed, look for age appropriate Gowers', quality of					
movement, use of furnitureFunctional squat to floor and rise (to retrieve toy)					
Standing on one leg right and left eyes open for 3 seconds (Younger child kick a ball)					
Jump 2 feet together 3 times Check both feet leave ground together					
Ball skills -throw a large (22cm) ball (football)					



Screening questions	Comments
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that is impacting on their daily life? If yes, does the pain change over the	
course of the day?	
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Does your child have any difficulty walking from one place to another	
(for example walking to nursery or school)?	
Do you have (or have you ever had) any concerns about your child's	
development (either gaining new skills or losing established skills)?	
When you think back, are there any skills that you have tried to teach	
your child to do that have taken longer than you think it should have (for	
example riding a scooter, playing a game)?	
With regards to everyday activities such as running and jumping, is your	
child able to keep up with other children of a similar age?	
Would you ever describe your child as being 'accident prone' or more	
likely to have trips and falls?	

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Observations and Examination			
	Observations/Appearance	Clinical findings	Comments
	(✓ if no concerns), X if		
	concerns		
Posture			
Gait			
Arms			
Legs			
Spine			
Plus (Function, skill,			
movement)			

Mostly yellows – could indicate an inflammatory disorder such as **Juvenile Idiopathic Arthritis**

Mostly oranges – could indicate a Lysosomal storage disorders

Stiffness or contracture of upper limb joints, in the absence of swelling can

such as Mucopolysaccharidoses

Further examination of swelling or signs of inflammation in joints

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Additional Tools	
Recognition from visual appendices (swollen joints, fixed deformities, compare to MPS)	
paediatric musculoskeletal matters pREMS assessment	
Consider hypermobility BSR Guidance/RCPCH Position Statement	

Refer to Paediatric Rheumatology Service

be a sign of a lysosomal storage disorder, such as the mucopolysaccharidoses
+
Additional Tools
Recognition from visual appendices (restriction of UL joints in the absence of swelling, gibbus
deformity, compare to JIA)
Resources from MPS Society MPS Society Resources
paediatric musculoskeletal matters pREMS assessment
Consider hypermobility BSR Guidance/RCPCH Position Statement

Refer to Specialist Genetic Centre

Nextly blues could indicate a new supervised by discussion	
Mostly blues – could indicate a neuromuscular disorder such as Duchenne muscular dystrophy	
motor milestones	

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Additional Tools

Recognition from visual appendices (calf hypertrophy, Gowers' sign, scapular winging) **Think MUSCLE** Fox et al., (2020) BMJ;368:I7012

Treat -NMD Neuromuscular network treat-nmd.org

Refer to Specialist Genetic Centre

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Score

Mostly purples – could indicate an underlying neurological	
disorder or an orthopaedic condition	
Further assessment of asymmetry of limbs and spine, muscle tone,	
muscle bulk, range of movement.	
+	
Additional Tools	
Further assessment of muscle tone	
paediatric musculoskeletal matters pREMS assessment	
Hip rotational profiles Staheli et al., (1985) The Journal of Bone and Joint Surge	ery 67(1) 39
(image available at Researchgate net)	

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Refer to General/Community Paediatrician or Orthopaedic Surgeon

Mostly greens – issues with motor planning and gross/fine motor skills This may warrant further assessment by Paediatric Physiotherapy

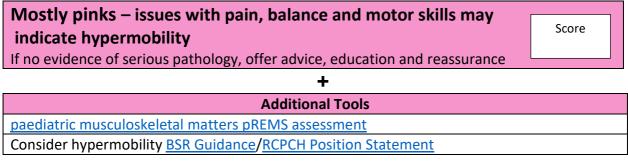
and/or Occupational Therapy, or a general paediatrician

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Additional Tools	
Screening activities and gross motor chart Missiuna et al., (2006) CMAJ 175 (5) 471	
CanChild resources for professionals CanChild.ca	
DCDQ-07 Questionnaire Wilson and Crawford, (2012) Physical and Occupational Therapy in	
Pediatrics	
Consider hypermobility BSR Guidance/RCPCH Position Statement	

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Refer to local Physiotherapy/Occupational Therapy Service or Paediatrician

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Reassurance, education and advice, onward referral if necessary

pGALSplus

Score