


A Whole-child, whole-family approach to health assessments for asylum-seeking children

Nuria Sanchez Clemente,^{1,2} Paola Cinardo,³ Allison Ward ,^{3,4,5} Nicky Longley,^{3,6,7} Christian Harkensee,⁸ Sarah Eisen^{2,6}

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¹Centre for Neonatal and Paediatric Infection, St George's University, London, UK

²Paediatrics, University College London Hospitals NHS Foundation Trust, London, UK

³University College London Hospitals NHS Foundation Trust, London, UK

⁴Community Child Health, Royal Free London NHS Foundation Trust Children's Services, London, UK

⁵Universal Children's Services (Camden), Central and North West London NHS Foundation Trust, London, UK

⁶Hospital for Tropical Diseases, University College London Hospital, London, UK

⁷Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine, London, UK

⁸Paediatrics, Queen Elizabeth Hospital, Gateshead, UK

Correspondence to

Dr Allison Ward; allison.ward1@nhs.net

ABSTRACT

In 2020, 21% of people who sought asylum in the UK were children. This population has complex interconnecting health and social needs. Assessment requires a holistic approach, with consideration of physical and mental health in addition to social and developmental well-being, within the whole family group. A trauma-informed life-cycle and intergenerational care approach is important. This article, aimed at all health professionals who may work with asylum-seeking families, outlines the best practice principles for undertaking health assessments in migrant children and young people.

INTRODUCTION

We are living in an age of increasing global humanitarian crises as a result of conflict, political and economic inequality, natural disasters and the effects of climate change, among other factors. An increasing number of young people and families are being forced to flee their homes in search of safety, food security, health, education and employment. At the end of 2020, 36 041 people claimed asylum in the UK.¹ Of the 21% who were children, nearly one-third were unaccompanied minors.¹ Reliable data regarding patterns of healthcare access and usage by accompanied and unaccompanied asylum-seeking children and young people (CYP) is limited, but it is likely that all paediatricians, emergency medicine clinicians, general practitioners (GPs), and most other healthcare professionals (HCPs) will encounter asylum-seeking CYP (table 1). Few HCPs in the UK have received specific training in the assessment of health needs of this group. These young people have complex physical and mental health needs and require a tailored approach with adherence to the principles of trauma-informed care. Younger children may have neurodevelopmental needs requiring follow-up or specialist care. There is a wide variation in the standard of care and services currently received by this patient group in the UK and Europe. This article aims to provide

clinicians and allied health professionals with a framework for a 'gold-standard' approach to comprehensive health assessments for asylum-seeking CYP. This will not only benefit patients themselves but also HCPs and clinical services by supporting provision of a high-quality, standardised and efficient service.

How to approach the assessment of asylum-seeking children

We propose that the optimal approach to carrying out health assessments in asylum-seeking CYP can be divided into three components of equal importance: the preparation phase, the health assessment itself and the formulation of the post-assessment health-care plan (figure 1).

Preparation phase

This phase aims to assist professionals in preparing for the health assessment of the asylum-seeking child, while encouraging reflection about existing systems in their place of work. Professionals should think holistically and feel empowered to challenge and break down barriers that may hamper equitable healthcare access for migrant populations.

Preparation is also an essential component of trauma-informed practice² (figure 2). Trauma-informed principles are essential pillars for professionals working with trauma survivors. For example, they provide guidance on how to make individuals feel safe during a consultation, how to ensure they feel empowered to make shared decisions about their care and how to avoid questions about potentially triggering events, particularly if this information is not needed to guide a practitioner's specific area of clinical assessment and management. Before meeting with an asylum-seeking family, clinicians should consider 'Has this person/family reported traumatic events? If so, how might these experiences influence their clinical presentation?'

Table 1 Definitions of displaced people

Definitions	
Asylum-seeker	Individual who is seeking international protection, has applied for asylum and is awaiting a decision on their asylum application.
Refugee	A person who has been granted asylum under national legislation.
Refused asylum-seeker	A person whose asylum application has been unsuccessful and who has no other claim for protection awaiting a decision. Some refused asylum-seekers voluntarily return home, others are forcibly returned. For some, it is not safe or practical to return until conditions in their country change.
Resettled refugee	A person who has been granted refugee status or another form of humanitarian protection by the UK while abroad and then brought to live in the UK.
Unaccompanied asylum-seeking children (UASC)	A person under 18 who is applying for asylum in the UK in their own right, is separated from both parents, and is not being cared for by a relative or guardian in the UK.
Age disputed children	Children or young person whose age is disputed. The Home Office and/or the Local Authority do not believe that these persons are the age they claim to be, and an age assessment process becomes necessary. The local authority is responsible for the determination of age of these children, following guidance published by the Association of Directors of Children's Services. Social workers estimate the age using a holistic evaluation. While this process is under-way, the young person should be given the benefit of the doubt and considered as a child.
Migrant	Someone who moves from his or her country of usual residence, regardless of the reason for migration or legal status.

Note: The definition of asylum-seekers, refugee and migrant are from the United Nations High Commissioner for Refugees (UNHCR) Master Glossary of Terms (<https://www.unhcr.org/glossary/>). The definition of refused asylum-seeker comes from the Refugee Council (<https://www.refugeecouncil.org.uk/information/refugee-asylum-facts/the-truth-about-asylum/>). The definition of resettled refugee, UASC and age disputed children are UK specific and comes from the gov.uk website.

Clinicians may receive referrals from a range of professionals including; council workers of refugee resettlement programmes, welfare officers of private housing organisations, GPs, health visitors, school nurses, secondary care providers, tuberculosis screening services or voluntary organisations. Attendances may also be unscheduled, through emergency services or admissions. Most regions in the UK do not have formal referral pathways for refugees and asylum-seekers and National Health Service (NHS) digital platforms do not always facilitate the identification of, and information collection regarding, migrants and their settlement status. This problem is compounded by concerns about stigmatisation and the risk of such data being made available beyond the healthcare arena. This results in a lack of information around healthcare needs, access and outcomes of migrant CYP.³

Healthcare interventions are often opportunistic and rely on education, awareness, vigilance and motivation of the HCP, with a willingness to look beyond the presenting issue to identify other areas of need.

Planning can help to minimise communication barriers linked to language, trust and confidentiality (box 1). Collating documentation from previous health encounters is important, as care is often fragmented. Identification and preparation for an in-person or telephone translator in the correct dialect and language or a male/female practitioner according to patient preference is also crucial.

At the start of the consultation, it should be clarified that HCPs are not linked in any way to the Home Office

and that medical records will not be shared with the Home Office or other authorities, unless under specific, legal, instructions (figure 3). It should, however, be explained that if it's in the child's best interest, information may be shared with other HCPs.

Clinicians should familiarise themselves with guidance around the right to access healthcare in the UK and be aware that asylum-seekers are exempt from NHS charging (figure 4).

HEALTH ASSESSMENT

The health of asylum-seeking CYP is influenced by multiple, interconnecting factors (table 2).⁴ Migrant children have a higher prevalence of both physical and mental health problems compared with their peers.⁴⁻⁷ HCPs looking after these children should ideally have experience in addressing physical and mental determinants of health,⁸ and be aware that somatisation is a relatively common problem.⁹

The well-being of a child is not only determined by their own health needs and experiences, but also influenced by that of parents and siblings. In the case of unaccompanied CYP, separation from the family, as well as other adverse childhood experiences,¹⁰ can contribute to psychological problems that may impact physical, mental and social development.¹¹

Trauma in one generation can influence the development and well-being of the next generation,¹²⁻¹⁴ a phenomenon described as the intergenerational

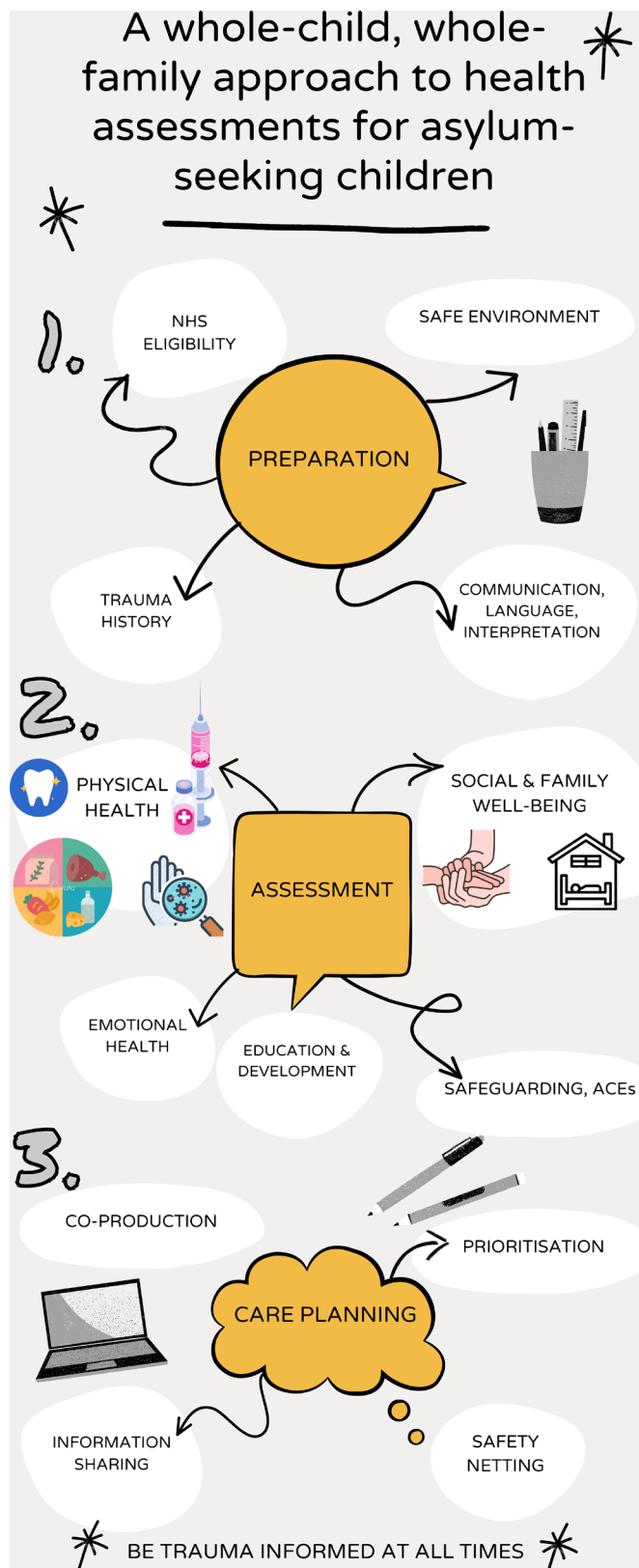


Figure 1 A whole-child, whole-family approach to health assessments for asylum-seeking children.

transmission of trauma. Parental mental health issues, such as post-traumatic stress disorder (PTSD) and depression, represent one mechanism through which trauma and ill health may affect the health of subsequent

generations.^{14 15} Other mechanisms include maternal malnutrition leading to poor neonatal outcomes such as low birth weight and small-for-gestational-age¹⁵ and later infant or childhood malnutrition and stunting. This, in turn, may impact on risk of infections, poor cognitive development, concurrent stunting and obesity, non-communicable diseases,¹⁵ lower quality of life and lower income in adulthood.¹⁶

This complex and intergenerational matrix of needs underpins the requirement for holistic screening involving the whole family unit, where possible, to provide not only clinical expertise but also signposting and referral to other health services such as dentistry, optometry, social and psychological support, as well as educational opportunities and health promotional interventions such as primary immunisations, childhood multivitamins and dental fluoride varnish application. Some of the aspects to consider in paediatric migrant screening programmes are listed below and summarised in Table 3.

Aspects of the health assessment

Origin and journey

CYP who migrate with or without their families have often suffered traumatic, violent, exploitative or sexually abusive experiences prior to, and during, their journey, which will impact physical and psychosocial health (box 1). Obtaining a description of the migration journey is important but ideally should only be done once for the whole family using trauma-informed care principles.² A balance must be sought between gaining adequate understanding of a child's background in order to make safe health decisions and avoiding retraumatisation.

Current and past medical history

The paediatrician should ask about antenatal and birth history as well as any newborn screening undertaken in their country of origin. Family history may help in identifying genetic conditions and exposure to infections, as well as highlighting possible traumatic separation from other key family members. Most recent visits to dentists, audiologists and opticians can also be discussed, bearing in mind that many children may have had no prior access to these services.^{17 18}

Physical health assessment

Physical health assessments should be comprehensive and follow available guidance from the Public Health England Migrant Health guide,¹⁹ as well as the most up-to-date evidence-based guidelines such as the latest Royal College of Paediatrics and Child Health (RCPCH) guidance for HCPs on accompanied and unaccompanied refugee and asylum-seeking children.^{5 20} Migrant populations commonly have many unmet health needs, undiagnosed or undermanaged chronic health conditions, such as haemoglobinopathies, poor dentition, common childhood conditions such as eczema and constipation as well as poor overall health as a result of limited

Figure 1. Principles of Trauma Informed Care

Adapted from SAMHSA's *Concept of Trauma and Guidance for a Trauma-Informed Approach*. HHS Publication No. (SMA) 14-4884. Rockville, MD: Substance Abuse and Mental Health Services Administration, 2014.

“**Trauma-informed care** recognises the presence of trauma and acknowledges the impact of trauma on an individual’s life. It also emphasises the importance of physical, psychological and emotional safety for both survivors and providers” (SAMHSA 2014). Migrant families often share the experience of ‘triple trauma’ – experiences in their home country, during their often perilous journey, and adversity in their resettlement countries.

The 4 R’s in trauma informed care:

1. **Realise** the widespread **impact of trauma** and understand potential pathways for recovery
2. **Recognise the signs and symptoms of trauma** in clients, families, staff, and others involved with the system
3. **Respond** by fully integrating knowledge about trauma into policies, procedures, and practices
4. **Resist retraumatisation** of children or the adults who care for them

6 principles of trauma informed practice:

1. **Safety:** ensuring physical and psychological safety
2. **Trustworthiness and Transparency:** clear and consistent communication with the aim of creating mutual trust
3. **Peer Support:** create spaces in the work environment and have wellbeing as a priority
4. **Collaboration and Mutuality:** recognising that everyone contributes to the approach
5. **Empowerment, Voice and Choice:** shared decision-making and build self-advocacy
6. **Cultural, Historical, and Gender Issues:** pay attention to patients and staff background and needs

Figure 2 Principles of trauma-informed care.

access to screening and health prevention in their countries of origin or transit. Physical symptoms should be investigated but, if no organic cause is found, clinicians

Box 1 Overcoming communication barriers⁴⁹

How to overcome communication barriers

- ⇒ Build trust by explaining the purpose of the appointment and giving reassurance about confidentiality.
- ⇒ Do not use family members, friends or untrained members of staff as translators in a medical consultation.
- ⇒ Use official interpreters (either face to face or remote organisations from high-quality and sustainable companies making sure they are using the correct language and dialect.
- ⇒ When using an interpreter, look/speak directly to the patient and use additional non-verbal communication cues when helpful.
- ⇒ Use trauma-informed care principles and offer to see adolescent patients alone but with an awareness aware of cultural needs (eg, a young female adolescent may not be comfortable being alone with a male doctor without a chaperone).

should be aware of potential somatisation or the effect of psychological distress on symptoms.²¹ Non-specific and medically unexplained symptoms such as body or limb pain, headache and dizziness, and abdominal pain are common and were found in around a quarter of unaccompanied asylum-seeking children (UASC) presenting to a London service.⁶

Documentation is crucial in this group who move around frequently and who are at risk of retraumatisation if histories have to be frequently repeated. Clear documentation of physical evidence of trauma or torture using a body map can be vital for home office assessment outcomes.

Infectious diseases screening

We recommend a comprehensive approach to screening for asymptomatic infections with blood and stool samples (table 3).¹⁹ An alternative approach to the latter, is universal antiparasitic treatment with albendazole for children from high incidence countries. Screening for

Useful websites and links

<https://www.rcpch.ac.uk/resources/refugee-unaccompanied-asylum-seeking-children-young-people-guidance-paediatricians> (RCPCCH guidance on management and assessment of children and young people who are refugees)

<https://www.gov.uk/government/collections/migrant-health-guide> (gov.uk guidance on health needs of migrant patients)

<https://www.bma.org.uk/advice-and-support/ethics/refugees-overseas-visitors-and-vulnerable-migrants/refugee-and-asylum-seeker-patient-health-toolkit> (British Medical Association toolkit for refugee and asylum seeker patients)

<https://www.gov.uk/government/publications/vaccination-of-individuals-with-uncertain-or-incomplete-immunisation-status/vaccination-of-individuals-with-uncertain-or-incomplete-immunisation-status> (Guidance on catch-up immunisations)

<https://refugeecouncil.org.uk/get-support/services/therapeutic-wellbeing-resources/> (Refugee Council Resources on access to healthcare system and how the NHS works)

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1008966/medical-evidence-in-asylum-claims-v1.0ext.pdf (provides legal instructions on medical evidence sharing of information with authorities)

<https://www.bsped.org.uk/clinical-resources/position-statements/> (British Society for Paediatric Endocrinology and Diabetes statement on age dispute)

Figure 3 Useful links and websites. RCPCCH, Royal College of Paediatrics and Child Health.

sexually transmitted infections is also recommended in all postpubertal children, particularly given that there is a high rate of sexual violence suffered prior to and during migration journeys.⁶ Skin infestations such as scabies may be present and looked for, particularly in those that have spent significant time in refugee camps. Their journey to the UK is often long, transiting through many countries, leading to multiple opportunities for exposure to pathogens.

Immunisation status

Although many CYP will report having received some childhood immunisations, they will rarely be able to provide documentation of these. Immunisation schedules vary between countries and vaccine shortages are not infrequent. Catch-up immunisations, including hepatitis B, are recommended for all asylum-seeking CYP as per national guidance²².

Growth and nutrition

While few asylum-seeking children present with acute malnutrition, many are stunted,¹⁵ indicating chronic malnutrition secondary to a poor diet prenatally and

postnatally¹⁵ and subsequent micronutrient deficiencies before and during their journey to the UK. In particular, vitamin D deficiency is prevalent among migrant communities, with one case series reporting a prevalence of 66%.⁵ Some children are concurrently stunted and obese and therefore at higher risk of ongoing obesity and cardiovascular disease in adulthood. Discussion around diet and food sources is important²³ as families may be unfamiliar with local food banks or produce, may have limited facilities for preparing food and be provided with food of poor quality and limited variety. This is especially problematic for families who face prolonged periods in temporary accommodation.

An intergenerational awareness is vital, given the aforementioned importance of an adequate nutritionally and micronutrient rich diet for pregnant women, those wishing to conceive and those who are breast feeding.

Development

There is little in the published literature about developmental delay in migrant children.^{24 25} The classification and diagnosis of these disorders in this population is



Figure 4 Right to access to healthcare for asylum-seekers in the UK. GP, general practitioner; NHS, National Health Service.

additionally challenging due to the paucity of knowledge about the cultural beliefs and perceptions of developmental delay in refugee communities.

Furthermore, the assessment tools have been developed and designed within a Western facing context, in the English language and have not been validated for use in migrant communities.²⁶

These barriers to the early identification of developmental delay have been well described in other migrant groups. One example is the delay in diagnosis of autism spectrum disorders (ASD) in children from black, Asian and ethnic minority groups as compared with white children in Europe and North America.^{26 27} This has been attributed to racial bias of professionals, barriers to accessing healthcare and cultural misinterpretation of symptoms by both the families and professionals.^{28 29}

Children who have experienced trauma directly may display symptoms such as appearing withdrawn, avoiding eye contact and lacking trust of adults. These symptoms are similar to those of children presenting with a social communication disorder. Failure to recognise these similarities may lead to a further delay in diagnosis. In addition to the direct impact that trauma can have on neurodevelopment,³⁰ it is important to recognise the indirect, intergenerational impact that trauma in family members can have on the development of asylum-seeking children. There is emerging evidence which suggests that highly stressful migration experiences during pregnancy may alter the uterine environment³¹ leading to epigenetic changes that may increase the risk of ASD.³²⁻³⁴

Potential strategies to improve the identification and diagnosis of social communication disorders and

Table 2 Factors that may contribute to a poor health status of asylum-seeking children and young people on arrival

Home country	Journey	UK
Poverty	Exposure to extreme conditions	Language barrier
Conflict	Poor sanitation	Stigma
Abuse	Poor nutrition	Unfamiliarity
Drought, famine	Violence	Lack of community
Disrupted healthcare system	Infection	Geographical instability
Loss of family members	Psychological trauma	Systems under pressure
	Hazardous travel	Institutional discrimination
	Overcrowding	Deliberate exclusion
		Racism
		Digital poverty

Table 3 Summary of screening assessments

Assessment		Actions
Current and past medical history	<ul style="list-style-type: none"> ▶ Current health and well-being concerns ▶ Previous physical and mental health problems ▶ Surgical operations ▶ Birth history and newborn screening ▶ Family health history ▶ Access to dentistry and dental issues ▶ Access to visual/hearing screening. ▶ Sensory issues. 	Appropriate referrals to relevant local service(s)
Physical health screening	<ul style="list-style-type: none"> ▶ Comprehensive physical examination including overall appearance, skin, cardiovascular system, respiratory system, gastrointestinal system, and if indicated neurological and musculoskeletal system ▶ Identification of unrecognised/underlying chronic health conditions ▶ Baseline screening blood tests (full blood count, renal and liver function, serum vitamin D levels) alongside infectious diseases screening 	<p>Specific treatment of identified conditions</p> <p>Referrals to appropriate services (secondary care clinic, dental services, hearing and eye testing).</p> <p>Act on any abnormal blood tests</p>
Infectious diseases screening	<ul style="list-style-type: none"> ▶ TB (IGRA test +/- CXR) ▶ Blood borne virus screening (HIV, hepatitis B and C) ▶ Schistosomiasis serology ▶ Strongyloides serology ▶ Trypanosoma cruzi serology if from South or Central America ▶ Stool samples for ova, cysts and parasites ▶ Screening for sexually transmitted infections including syphilis ▶ Full Blood Count (FBC) for eosinophilia 	Refer to appropriate clinic for treatment
Immunisation status	<ul style="list-style-type: none"> ▶ Check immunisation status 	Organise catch-up immunisations as per guidance*
Growth and nutrition	<ul style="list-style-type: none"> ▶ Document height, weight and head circumference centiles (BMI centile) ▶ Recognise malnutrition, including concurrent stunting and obesity ▶ Identify micronutrient deficiencies <ul style="list-style-type: none"> Iron Vitamin B₁₂ and folate Vitamin D deficiency 	<p>Prescribe supplements as per guidance</p> <p>Recommend a vitamin D supplement of 10 µg/day (400 IU/day)†</p> <p>Advice on healthy nutrition and physical activity</p>
Development	<ul style="list-style-type: none"> ▶ Document developmental milestones and access to formal education (historical and current) ▶ Ask parents about concerns in the key developmental domains (motor skills, language and communication, self-care and social skills, learning and cognition) 	<p>Support family to disclose concern.</p> <p>Refer to child development services as needed</p>
Mental health	<ul style="list-style-type: none"> ▶ Enquire about sleep, mood, behaviour and social interaction. ▶ Use tools such as the Strengths and Difficulties Questionnaire and Adverse Childhood Experiences score. The RHS-15‡ refugee mental health screening tool can be helpful in adolescents. 	<p>Support and promote well-being and family functioning:</p> <ul style="list-style-type: none"> - Refer to universal and specialist services in the community (early help, family support workers, key working, health visitors, school nursing, social care) - Social prescribing and signposting to relevant charities and local food banks <p>Consider referral to Child and Adolescent Mental Health Services (CAMHS) if symptoms of anxiety, depression, post-traumatic stress disorder and/or self-harm</p> <p>Explore options re specific refugee mental health services (NHS and charitable sector)</p>

Continued



Table 3 Continued

Assessment	Actions
Safeguarding	<ul style="list-style-type: none"> ▶ Where possible provide children and young people with an opportunity to be spoken to alone ▶ Be alert to signs of child maltreatment including trafficking, sexual or criminal exploitation ▶ Take a sexual history in all adolescents ▶ Ask about FGM ▶ Ask about use of tobacco, alcohol and other substance use in adolescents

*<https://www.gov.uk/government/publications/vaccination-of-individuals-with-uncertain-or-incomplete-immunisation-status/vaccination-of-individuals-with-uncertain-or-incomplete-immunisation-status>.
†Guidance as per Lips, P. *et al.* Current vitamin D status in European and Middle East countries and strategies to prevent vitamin D deficiency: a position statement of the European Calcified Tissue Society. *Eur. J. Endocrinol.* 180, P23–P54 (2019).
‡RHS-15. Integrating refugee health and well-being. https://refugeehealthta.org/wp-content/uploads/2012/09/RHS15_Packet_PathwaysToWellness-1.pdf.
BMI, body mass index; CXR, chest X-ray; FGM, female genital mutilation; NHS, National Health Service; RHS-15, Refugee Health Screener-15; TB, tuberculosis; IGRA test, Interferon Gamma Release Assay; TST, tuberculin skin test.

developmental delay in children from migrant communities include the use of: (1) cultural navigators trained to serve as liaisons between their cultural communities and health professionals,³⁵ (2) appropriate developmental screening tools and (3) appropriate interpretation services with visual aids, both for the assessment of the child and to explain the developmental domains to the parents.³⁵ In addition to this, once children are placed in nursery and school, liaising with educational professionals is arguably the best way of identifying, and responding to, any problems in this domain.

Mental health

An awareness of the trauma-informed assessment of mental health status and needs is crucial in this population.³⁶ Specific screening tools such as the Refugee Health Screener 15 have been developed to sensitively detect the range of emotional distress common across refugee groups and are particularly useful in adolescents.³⁷ The Strengths and Difficulties Questionnaire is another paediatric and adolescent one-page screening tool, which is widely used in the UK to identify emotional, behavioural and relationship problems and has been translated into several languages.^{38–40} It is important to recognise the limitations of these tools as well as their advantages.

UASC endure higher levels of stress compared with accompanied children,⁴¹ with associated, long-term mental health repercussions. Prevalence estimates of PTSD among asylum-seeking children have been reported as 11%–75% and of depression from 4 to 47%.⁴⁰ Deliberate self-harm and suicide attempts were reported in up to 8% of UASC in a central London setting where the overall prevalence of mental health problems was 77%.⁶ It is important to take time to build trust, as symptoms of trauma may not be apparent initially and disclosure may only occur once they are in a ‘safe haven.’ Many young people find it challenging to talk about their own

mental health, particularly as there is significant stigma attached to mental health assessments and diagnoses in some cultures.⁴² Some resettlement experiences may be triggering of previous trauma, leading to manifestation of symptoms further down the line.⁴³ Pre-existing mental health conditions may become destabilised by poor living conditions, uncertainty and the potential lack of access to previously prescribed medications. Social interventions that provide routine and stability and encourage families and young people to feel part of a community, such as enrolling children into schools, stable and safe housing, opportunities to learn English, voluntary work and knowledge of community support available (eg, through voluntary sector organisations) have a positive effect on mental health⁴² and should be prioritised.^{44 45}

Safeguarding

In the UK, most UASC will already be known to Children Looked After (CLA) services within Children’s Social Care. In cases where young people aged 17 years and under present prior to engagement with the social care system, a referral to local safeguarding services should be made immediately. Furthermore, all families who are asylum-seeking meet the threshold for Early Help intervention, which is the first tier of support offered by the local authority to families living in challenging circumstances.⁴⁶ Assessing clinicians should be alert to signs that may indicate a young person may have been trafficked into the UK as these young people remain extremely vulnerable to sexual and criminal exploitation. A sexual health history should be taken in all adolescents and an opportunity provided for CYP to make disclosures about any history of sexual violence. Girls and young women should be asked about female genital mutilation and, if reported, referred to local specialist services.²³ Pregnancy testing should be offered to all pubertal females. Adolescents should be asked about tobacco, alcohol and other substance use. There should be awareness of

cultural medical practices such as uvulectomy or scarification.⁴⁷ Health professionals should also be alert to potential specific and more common safeguarding issues for these families. For example, among families seen in a London-based family refugee clinic, domestic violence was reported by 10%.⁴⁸ It is also important to share with families some of the cultural differences that may trigger safeguarding procedures in the UK, including differences in legal age of marriage and sexual intercourse.

Age dispute

In the event that the topic of age dispute is raised, clinicians should refer to the most recent RCPCH guidance²³ which states that ‘it is not possible to accurately predict a child’s age based on physical examination or bone age assessment’. Bone X-rays are not reliable and should not be used for this purpose.

Family context

For children accompanied by family, needs of the parents and siblings should be briefly explored, given the aforementioned intergenerational aspects of refugee health and their long-term impacts. The family should be signposted to sources of support and further assessment where necessary.

POST-ASSESSMENT AND RECOMMENDATIONS

At the end of the assessment, a plan should be formulated together with the young person, the child’s family and relevant HCPs.

The plan should be achievable, accompanied by clear explanation, proposed timeline and prioritisation.

Referrals to relevant services in the community should be initiated, and signposting to relevant charities and local food banks. If the CYP does not have an NHS number and/or is not registered with a GP, this should be advocated for. The Refugee Council offers online resources and support to families explaining the NHS services available, how to access these and where to go if urgent treatment is needed.⁴⁸

Asylum-seeking families are often housed in temporary accommodation for long periods and are at risk of relocation at short notice. It is therefore ideal to provide a paper, patient-held healthcare plan, as well as an electronic version, for all asylum-seeking CYP highlighting outstanding issues and actions. This should be copied to the GP and all relevant HCPs, including the CLA team for UASC. Follow-up appointments should be made prior to discharge and written information provided regarding these.

CONCLUSION

Asylum-seeking CYP often arrive in their destination countries with complex, interconnecting health and social care needs.

We provide a detailed framework to guide HCPs through a comprehensive assessment of health in newly arrived asylum-seeking CYP. We propose an assessment comprising three stages including careful preplanning, clear documentation and the sharing of a hand-held record that individuals may retain to avoid future retraumatisation and duplication or omission of appropriate interventions.

We emphasise not only the physical and mental health assessment, but also the importance of detailed developmental and safeguarding evaluation.

A trauma-informed, life-cycle and intergenerational approach should be at the heart of every encounter, enabling a safe, comprehensive and holistic assessment. Multidisciplinary team working and utilisation of appropriate networks to share knowledge, experience and skills will also support the delivery of high-quality care using a best-practice approach.

Finally, clinicians and allied health professionals working with asylum-seeking CYP are in a position to be strong advocates for the needs of these underserved communities. We should strive to provide excellent quality care and to improve health and social care systems to ensure equitable access and provision, and optimise outcomes for these vulnerable families.

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ORCID iD

Allison Ward <http://orcid.org/0000-0003-2048-5079>

REFERENCES

- 1 Home Office. Immigration statistics. In: *Year ending September 2021 (ED immigration department)*, 2021.
- 2 The Helen Bamber Foundation. The TRAUMA-INFORMED code of conduct for all professionals working with survivors of human trafficking and slavery, 2021. Available: <https://www.helenbamber.org/sites/default/files/2022-01/HBF%20Trauma%20Informed%20Code%20of%20Conduct%202nd%20Edition.pdf>
- 3 Refugee Council. A note on barriers experienced by refugees and people seeking asylum when accessing health services, 2021. Available: https://media.refugeecouncil.org.uk/wp-content/uploads/2021/10/29174557/A-note-on-barriers-experienced-by-refugees-and-people-seeking-asylum-when-accessing-health-services_March_2021.pdf
- 4 Williams B, Cassar C, Siggers G, *et al*. Medical and social issues of child refugees in Europe. *Arch Dis Child* 2016;101:839–42.
- 5 Harkensee C, Andrew R. Health needs of accompanied refugee and asylum-seeking children in a UK specialist clinic. *Acta Paediatr* 2021;110:2396–404.
- 6 Armitage A *et al*. Description and evaluation of a pathway for unaccompanied asylum-seeking children. *arch dis child* 2021.

- 7 Sanchez-Clemente *Net al.* Beyond arrival: Safeguarding unaccompanied asylum-seeking children in the UK. *arch dis child* 2022.
- 8 Portnoy S, Ward A. Unaccompanied asylum-seeking children and young people - Understanding their journeys towards improved physical and emotional health. *Clin Child Psychol Psychiatry* 2020;25:636–47.
- 9 Waterman LZ, Katona C, Katona C. Assessing asylum seekers, refugees and undocumented migrants. *BJPsych Bull* 2020;44:75–80.
- 10 Woodi S. Adverse childhood experiences in child refugee and asylum seeking populations.. In: *Public health Wales NHS trust*, In press. <https://phwwhocc.co.uk/wp-content/uploads/2020/07/ACEs-in-Child-Refugee-and-Asylum-Seekers-Report-English-final.pdf>
- 11 Vaghri Z, Tessier Z, Whalen C. Refugee and Asylum-Seeking children: interrupted child development and unfulfilled child rights. *Children* 2019;6. doi:10.3390/children6110120. [Epub ahead of print: 30 10 2019].
- 12 Dalgaard NT, Montgomery E. The transgenerational transmission of refugee trauma: family functioning and children's psychosocial adjustment. *Int J Migr Health Soc Care* 2017;13:289–301.
- 13 Sangalang CC, Vang C. Intergenerational trauma in refugee families: a systematic review. *J Immigr Minor Health* 2017;19:745–54.
- 14 East PL, Gahagan S, Al-Delaimy WK. The impact of refugee mothers' trauma, posttraumatic stress, and depression on their children's adjustment. *J Immigr Minor Health* 2018;20:271–82.
- 15 Devakumar D, Birch M, Osrin D, *et al.* The intergenerational effects of war on the health of children. *BMC Med* 2014;12:57.
- 16 Victora CG, Adair L, Fall C, *et al.* Maternal and child undernutrition: consequences for adult health and human capital. *Lancet* 2008;371:340–57.
- 17 Keboa MT, Hiles N, Macdonald ME. The oral health of refugees and asylum seekers: a scoping review. *Global Health* 2016;12:59.
- 18 Bin Yameen TA, Abadeh A, Slomovic J, *et al.* Visual impairment and unmet eye care needs among a Syrian adult refugee population in a Canadian City. *Can J Ophthalmol* 2020;55:137–42.
- 19 Office for Health Improvement and Disparities. Migrant health guide: advice and guidance on the health needs of migrant patients for healthcare practitioners. In: *Office for health improvement and disparities*, 2021. <https://www.gov.uk/government/collections/migrant-health-guide>
- 20 Pottie K, Greenaway C, Feightner J, *et al.* Evidence-Based clinical guidelines for immigrants and refugees. *CMAJ* 2011;183:E824–925.
- 21 Kroening ALH, Dawson-Hahn E. Health considerations for immigrant and refugee children. *Adv Pediatr* 2019;66:87–110.
- 22 UK Health Security Agency. Vaccination of individuals with uncertain or incomplete immunisation status, 2022. Available: <https://www.gov.uk/government/publications/vaccination-of-individuals-with-uncertain-or-incomplete-immunisation-status>
- 23 RCPCH. Refugee and unaccompanied asylum seeking children and young people: guidance for paediatricians. In: *Royal College of paediatrics and child health*, 2018.
- 24 Martin-Herz SP, Kemper T, Brownstein M. Developmental screening with recent immigrant and refugee children. *Ethnomed* 2012.
- 25 Nasir R. Child Refugee and Migrant Health. In: Harkensee C, ed. Switzerland: Springer Nature, 2021: 133–70.
- 26 Pinto-Martin JA, Dunkle M, Earls M, *et al.* Developmental stages of developmental screening: steps to implementation of a successful program. *Am J Public Health* 2005;95:1928–32.
- 27 Mandell DS, Listerud J, Levy SE, *et al.* Race differences in the age at diagnosis among medicaid-eligible children with autism. *J Am Acad Child Adolesc Psychiatry* 2002;41:1447–53.
- 28 Begeer S, Bouk SE, Boussaid W, *et al.* Underdiagnosis and referral bias of autism in ethnic minorities. *J Autism Dev Disord* 2009;39:142–8.
- 29 Pondé MP, Rousseau C. Immigrant children with autism spectrum disorder: the relationship between the perspective of the professionals and the parents' point of view. *J Can Acad Child Adolesc Psychiatry* 2013;22:131–8.
- 30 Scharf RJ, Zheng C, Briscoe Abath C, *et al.* Developmental concerns in children coming to the United States as refugees. *Pediatrics* 2021;147. doi:10.1542/peds.2020-030130. [Epub ahead of print: 19 05 2021].
- 31 Coussons-Read ME. Effects of prenatal stress on pregnancy and human development: mechanisms and pathways. *Obstet Med* 2013;6:52–7.
- 32 Fernald LCH, Gunnar MR. Poverty-alleviation program participation and salivary cortisol in very low-income children. *Soc Sci Med* 2009;68:2180–9.
- 33 Magnusson C, Rai D, Goodman A, *et al.* Migration and autism spectrum disorder: population-based study. *Br J Psychiatry* 2012;201:109–15.
- 34 Kinney DK, Munir KM, Crowley DJ, *et al.* Prenatal stress and risk for autism. *Neurosci Biobehav Rev* 2008;32:1519–32.
- 35 Kroening ALH, Moore JA, Welch TR, *et al.* Developmental screening of refugees: a qualitative study. *Pediatrics* 2016;138. doi:10.1542/peds.2016-0234. [Epub ahead of print: 15 08 2016].
- 36 Reavell J, Fazil Q. The epidemiology of PTSD and depression in refugee minors who have resettled in developed countries. *J Ment Health* 2017;26:74–83.
- 37 Hollifield M, Verbillis-Kolp S, Farmer B, *et al.* The refugee health Screener-15 (RHS-15): development and validation of an instrument for anxiety, depression, and PTSD in refugees. *Gen Hosp Psychiatry* 2013;35:202–9.
- 38 Goodman R. The strengths and difficulties questionnaire: a research note. *J Child Psychol Psychiatry* 1997;38:581–6.
- 39 Stolk Y, Kaplan I, Szwarc J. Review of the strengths and difficulties questionnaire translated into languages spoken by children and adolescents of refugee background. *Int J Methods Psychiatr Res* 2017;26. doi:10.1002/mpr.1568. [Epub ahead of print: 27 04 2017].
- 40 Green AE, Weinberger SJ, Harder VS. The strengths and difficulties questionnaire as a mental health screening tool for newly arrived pediatric refugees. *J Immigr Minor Health* 2021;23:494–501.
- 41 The Children's Society. Distress signals: Unaccompanied young people's struggle for mental health care, 2018. Available: https://www.childrenssociety.org.uk/sites/default/files/distress-signals-report_0.pdf5160
- 42 Mace AO, Mulheron S, Jones C, *et al.* Educational, developmental and psychological outcomes of resettled refugee children in Western Australia: a review of school of special educational needs: medical and mental health input. *J Paediatr Child Health* 2014;50:985–92.
- 43 Hanes G, Sung L, Mutch R, *et al.* Adversity and resilience amongst resettling Western Australian paediatric refugees. *J Paediatr Child Health* 2017;53:882–8.
- 44 Tyrer RA, Fazel M. School and community-based interventions for refugee and asylum seeking children: a systematic review. *PLoS One* 2014;9:e89359.
- 45 Baker JR, Raman S, Kohlhoff J, *et al.* Optimising refugee children's health/wellbeing in preparation for primary and secondary school: a qualitative inquiry. *BMC Public Health* 2019;19:812.
- 46 NSPCC. Safeguarding, child protection, early help intervention. Available: <https://learning.nspcc.org.uk/safeguarding-child-protection/early-help-early-intervention>
- 47 Einterz E. Recognizing culturally related findings on refugee physical examinations. *J Am Board Fam Med* 2018;31:653–7.
- 48 Refugee Council. Therapeutic wellbeing resources, 2022. Available: <https://refugeecouncil.org.uk/get-support/services/therapeutic-wellbeing-resources/>
- 49 Chiarenza A, Dauvrin M, Chiesa V, *et al.* Supporting access to healthcare for refugees and migrants in European countries under particular migratory pressure. *BMC Health Serv Res* 2019;19:513.