PAEDIATRIC PAIN AND FEVER

What is pain?

- Pain is an unpleasant sensation signalling an injury to some part of the body.¹
- Pain may be sharp or dull, intermittent or constant, or throbbing or steady. Sometimes pain is very difficult to describe. The intensity of pain can vary from mild to intolerable.¹
- Pain in children is often under-treated.2

What causes mild to moderate pain and fever in children?

- Viral or bacterial infections can cause mild-tomoderate pain and fever in children, such as the common cold, a sore throat or common childhood illnesses such as chickenpox.⁴
- Teething in young children is often a cause of discomfort as the tooth erupts through the gums.
 Cavities may also cause toothache in older children.⁵
- Headaches are common in children, occurring in up to 75 percent of school-aged children.⁶
- There are many causes of headaches in children, but some of the more common causes include an upper respiratory tract infection (an ear infection, a throat infection, a sinus infection or an allergy), a minor bump on the head, or a tension headache.⁶

What is fever?

1)

- Fever is a normal response of the body to illness that facilitates and accelerates recovery.³
- Fever is defined as a body temperature ≥38°C.³ Fever is frequently a cause for concern among parents and healthcare providers.³

- In children, it is more accurate to measure body temperature in the ear, or in the axilla (armpit).³ Fever causes discomfort, which is often associated with pain due to the underlying condition such as a sore throat or headache.³
- Fever is not harmful in itself. However, fever in a child younger than 3 months of age should be further investigated by your health care provider.³

Treatment of pain and fever in children

- Medicines to relieve pain and fever are mostly given to relieve the discomfort of the child. This enables the child to eat better, to prevent dehydration and to reduce irritability.^{3,4}
- Paracetamol and ibuprofen may be given to children to relieve pain and fever. Aspirin should not be given to children or adolescents, as it increases the risk of a rare but serious condition called Reye syndrome.⁴
- Due to anxiety or fear of fever, parents or caregivers may give more medicine than is needed to adequately treat a fever. On the flip-side, pain, especially in young children, is often under-treated.²
- For pain and fever medicine to work most effectively, it is very important to give it to the child at the correct prescribed dose, at the correct scheduled time.²
- For example, for effective control of pain, paracetamol should be given as a scheduled dose over time, and not "as needed".²
- Giving too much medicine may result in unwanted sideeffects or toxicity, and giving too little will hamper the effect of the medicine.²



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Paracetamol in the treatment of pain and fever in children

Paracetamol has a dual action, which means it relieves both mild-to-moderate pain and fever in children.⁷ It is the number one prescribed reliever of pain and fever in children by South African paediatricians8 and is endorsed by expert bodies around the world, including the World Health Organisation.² Paracetamol may be given to children younger than 3 months of age, and children with chickenpox.2

Tips on the correct administration of medication for pain and fever³

- Doses should be measured carefully to avoid over- or under-dosing.
- If the temperature does not come down after one Wait for the appropriate dosing interval to pass and
- If the child vomits immediately after taking a dose of medicine, another dose may be given.
- Avoid combination products and 'cough and cold increase the risk of overdose and side-effects.
- Medication should not be administered for longer than 2 days without consulting a doctor.

Panado® paediatric syrup - Alcohol and sugar free

Recommended dose⁹

Children

Under 3 months	10mg/kg (0,41 mk/kg)
3 months to 1 year	2,5 to 5 ml (60 to 120 mg)
1 to 5 years	5 to 10 ml (120 to 240 mg)
6 to 12 years	10 to 20 ml (240 to 480 mg)

While symptoms persist, to be repeated every 4 hours if needed to a maximum of 4 doses per 24 hours for not longer than 5 days

Home care tips for a fever³

- Do not over-dress or under-dress the child, or wrap the child in heavy blankets.
- Encourage the child to drink fluids regularly (breast
- To ensure that you are using the correct medication at before administering medication for fever.
- Check the child during the night, but do not wake the child just to administer medication for a fever.
- Seek further medical advice if the fever does not get better within 48 hours, or if the child's
- Sponging with tepid water is not recommended.

Fast, effective relief of pain and fever from: 10,11,12

Teething Pain

Sore Throats

Toothache

Headaches

Works in 15 minutes¹⁰

Gentle on tummies¹³

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[50] Panado® Paediatric Syrup Strawberry, Each 5 ml contains paracetamol 120 mg, Reg. No. 35/2,7/0112.

SO Panado® Paediatric Syrup Alcohol and Sugar Free. Each 5 ml contains paracetamol 120 mg. Reg. No. V/2.8/208.

D Panado® Paediatric Infant Drops and Sugar Free. Each 0,6 ml contains paracetamol 60 mg. Reg. No. V/2.7/209. For full prescribing information refer to the package insert approved by the medicines regulatory authority. 2019112810177489.

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