

## Fact Sheet

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### Non-invasive screening applications

- Non-invasive screening is cost-efficient.
  - Non-invasive screening helps avoid expensive laboratory examinations.
  - No consumables are used in non-invasive bilirubin measurement with the jaundice meter JM-103.
  - The acquisition costs for non-invasive drug detection (DrugTest 5000) are written off after about 10 invasive blood tests.
  - According to a US study published in 2000, hospital-acquired infections cause annual costs of 29 billion dollars in American hospitals. (Institute of Medicine 2000) (3)

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- Non-invasive screening applications can improve patient well-being.
  - The measurement of transcutaneous bilirubin (TcB) is a gentle, pain-free alternative to the conventional jaundice testing procedure. It is not necessary to remove any blood, which represents a considerable stress factor for sensitive infants and their parents.
  - Non-invasive alcohol and drug tests avoid pain and stress, as it is not necessary to remove any blood.
  - Non-invasive screening applications are hygienic, as no contact is made with any blood.

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- Non-invasive screening applications reduce complications.
  - Non-invasive screening can reduce the risk of hospital-acquired infections.
  - The results of non-invasive applications in the field of screening are very quickly available and allow for tight controls and fast reactions.

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## Bibliography

- Institute of Medicine 2000: Institute of Medicine. To Err is Human: Building a Safer Health System. National Academy Press 2000.