

Uncoated Ironware: A Solution to Iron Deficiency

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Iron Deficiency Anemia

- Hidden Hunger is neglected
- No regular access to nutritious food
- 1.6 billion people



Inspired by Nambu Ironware

- Good for iron intake in daily use

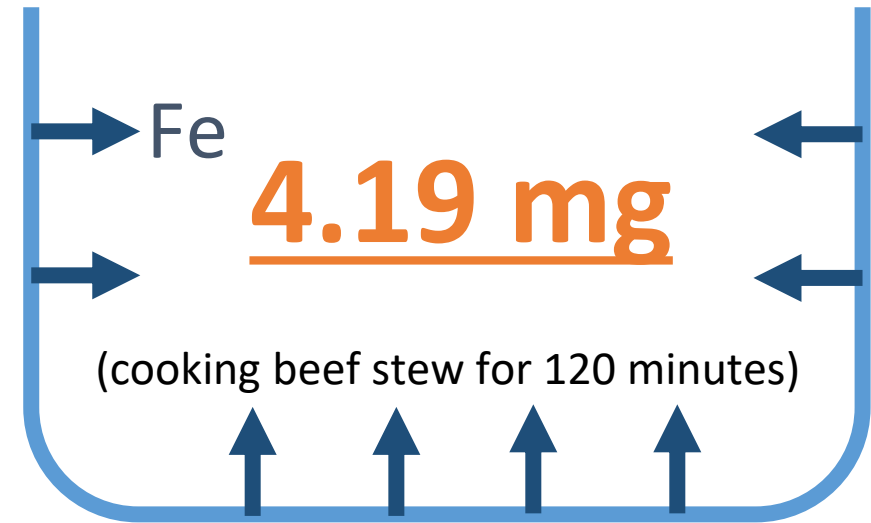


Source: Wikimedia Commons. "Nambu Tetsubin."

Enameling and Iron Leaching



Enameled

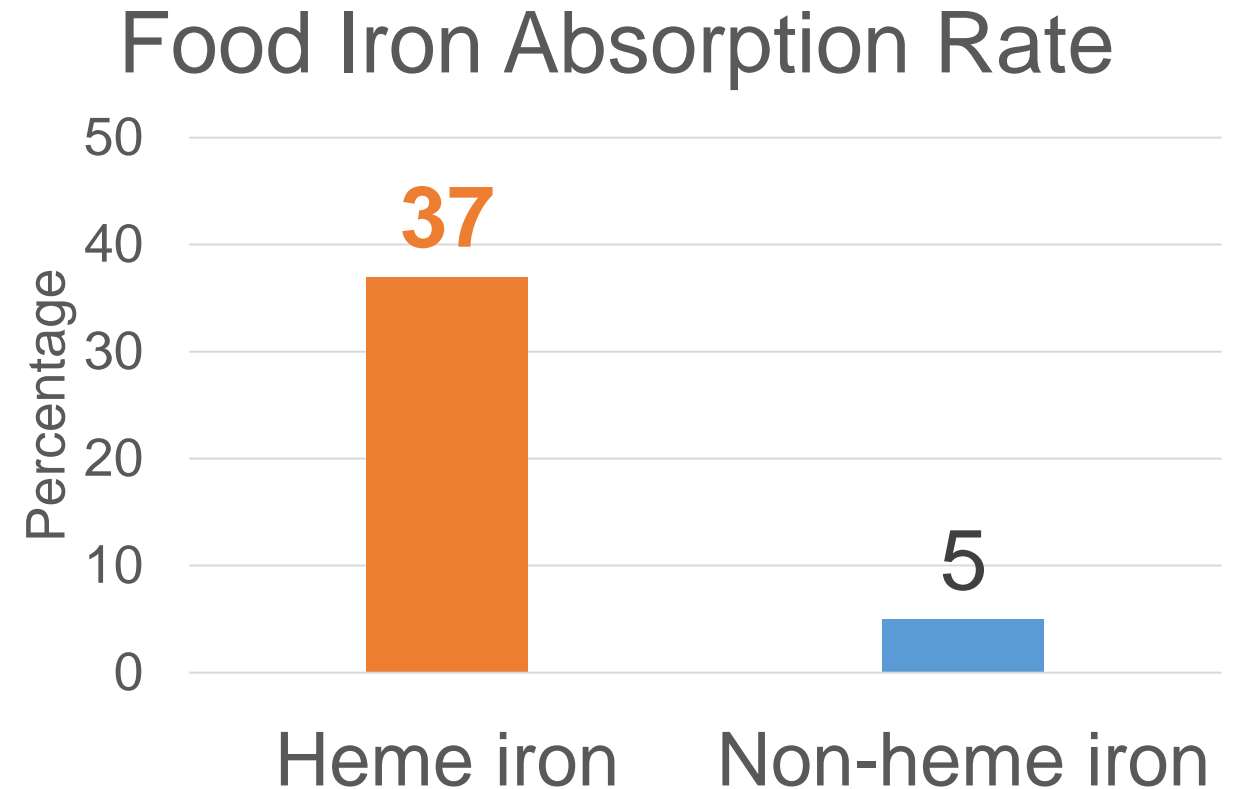


Non-enameled

→ High iron leaching

Heme Iron is Important

- Heme iron
animal food
high absorption
- Non-heme iron
vegetable food



Source: Erik Björn-Rasmussen, ... , Björn Isaksson, Bertil Arvidsson.
"Food Iron Absorption in Man APPLICATIONS OF THE TWO-POOL
EXTRINSIC TAG METHOD TO MEASURE HEME AND NONHEME IRON
ABSORPTION FROM THE WHOLE DIET"

The Target: Uttar Pradesh, India

Hinduism

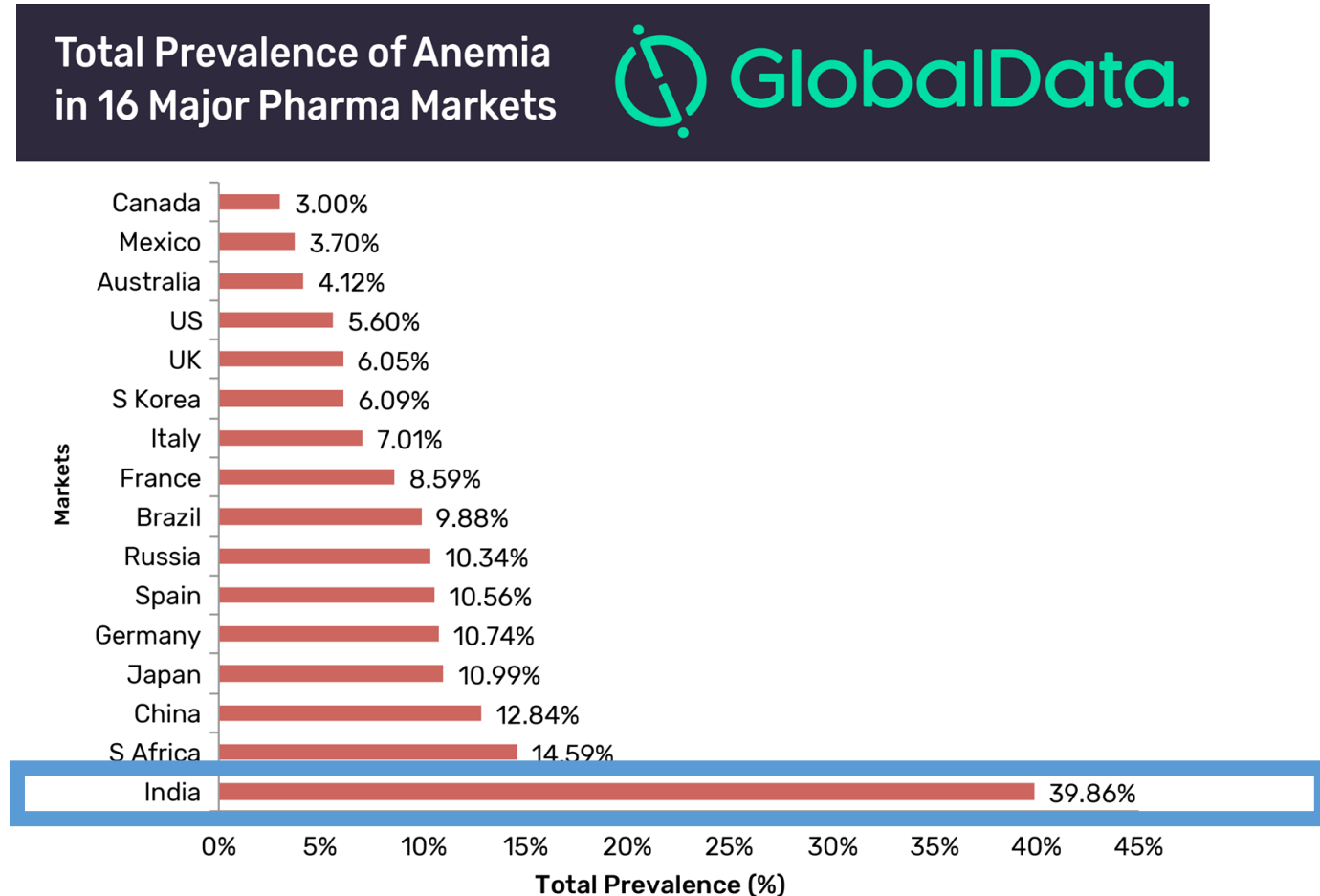
⇒ Little Meat

- A Farm State

- Large

Population

2021/10/21 ⇒ Clear Result



Source: GlobalData. "India has highest prevalence of anemia among 16 major pharma markets, finds GlobalData."

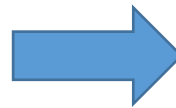
characteristics



non-enameled

Plan to Spread the Ironware

1. Cooperate with NGO
2. Offer a Company to Produce Iron Kadai
3. Give the iron Kadai to houses and hospital
4. Gather data
5. Sell iron Kadai to Indian people



Conclusion

