

SA



# Daily and Weekly Dosing

## Current Situation

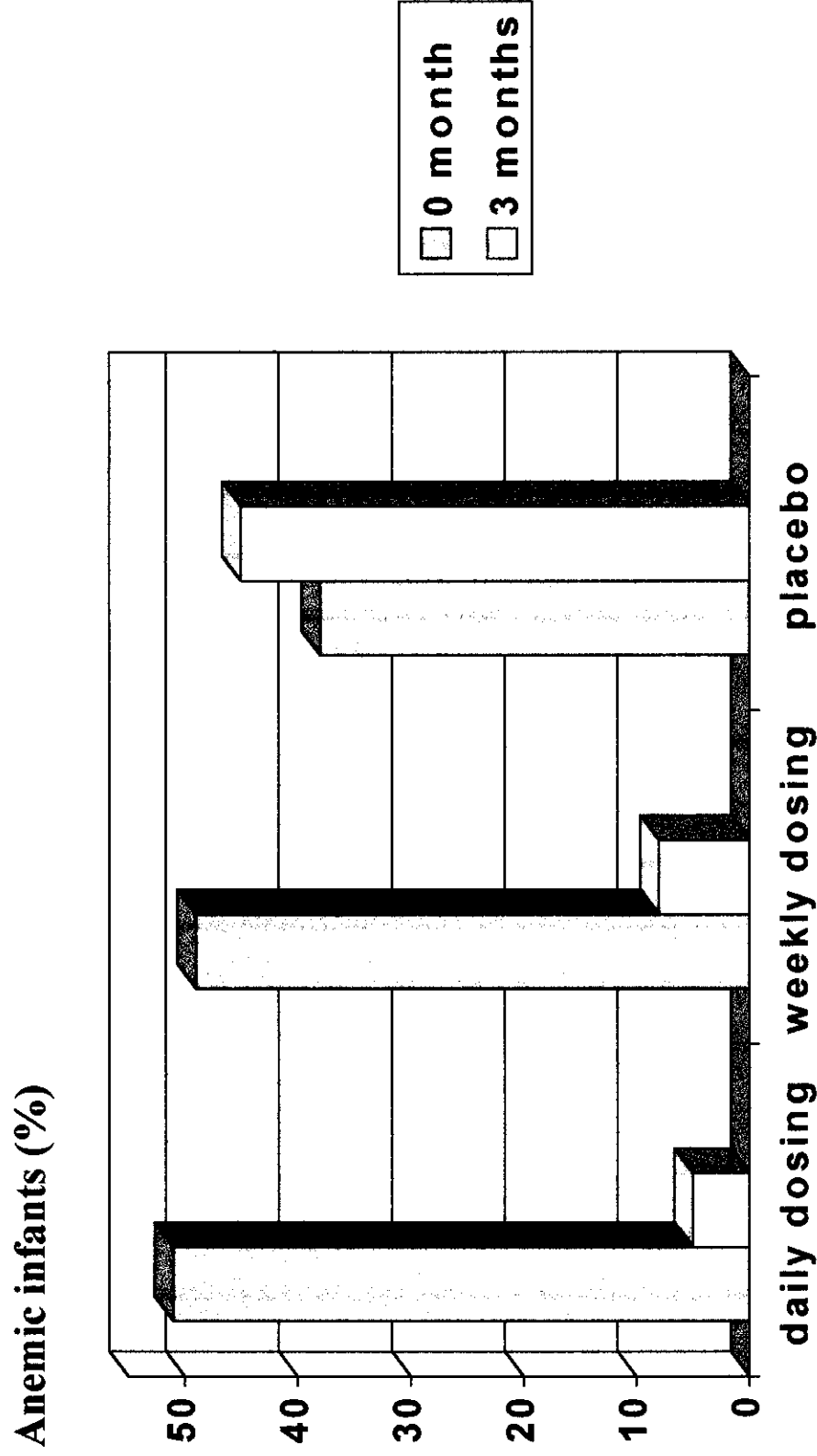
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SEAMEO-TROPED Regional Center for  
Community Nutrition



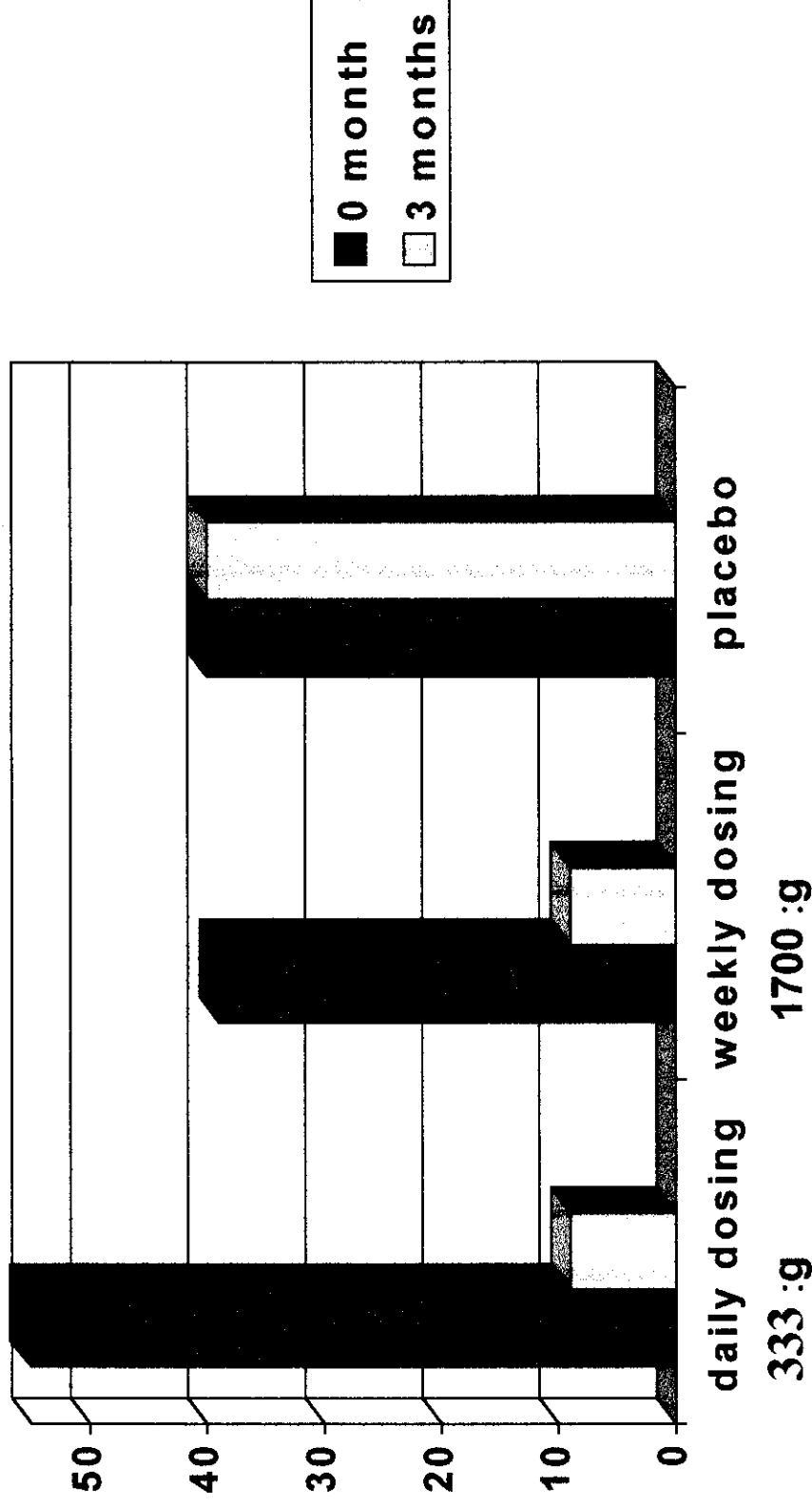
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# Reduction of Anemia after Iron Supplementation in Vietnamese Infants

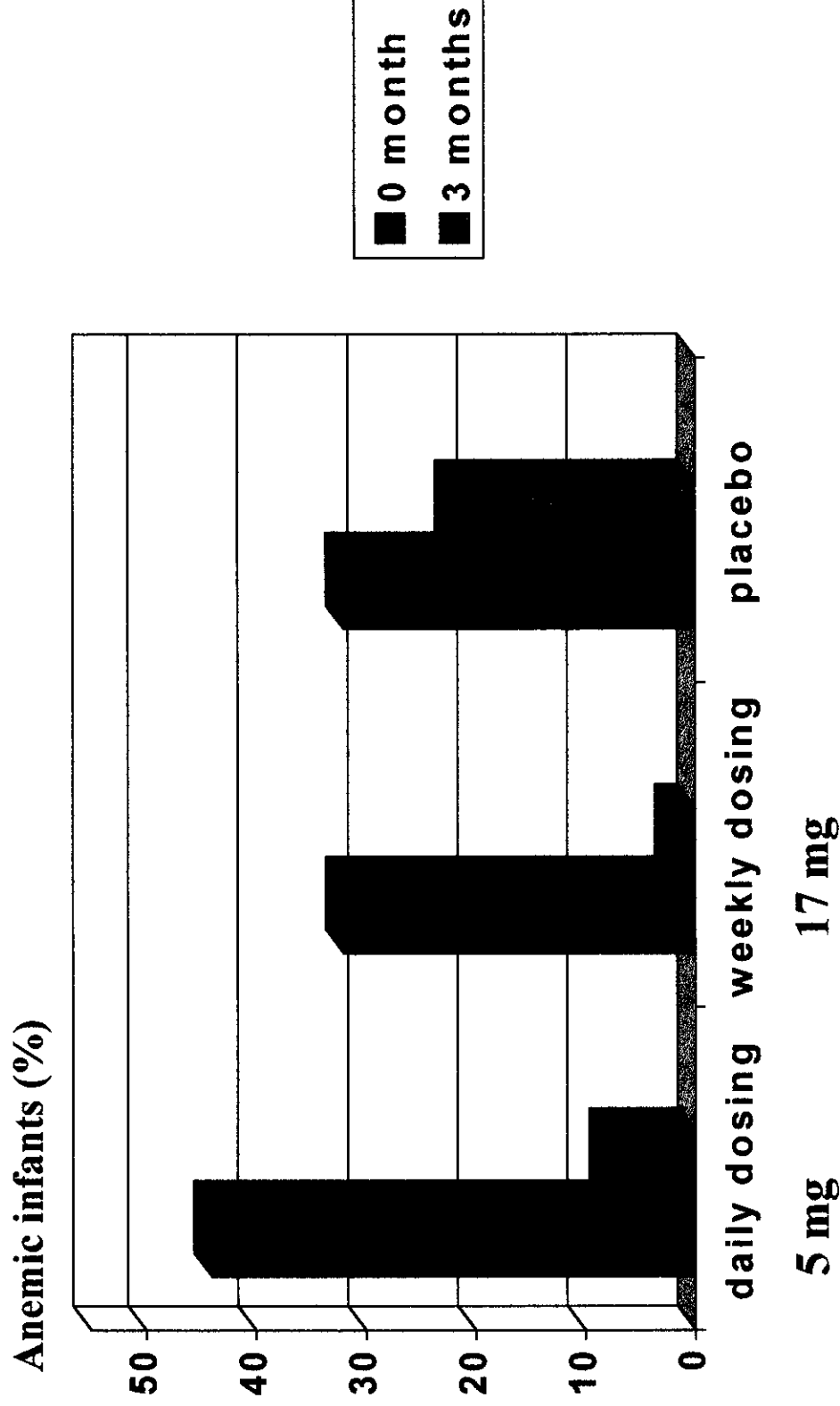


# Reduction of Vitamin A Deficiency ( $< 0.7 \text{ :mol/L}$ ) after Vit. A Supplementation in Vietnamese Infants

Vitamin A Deficient Infants (%)

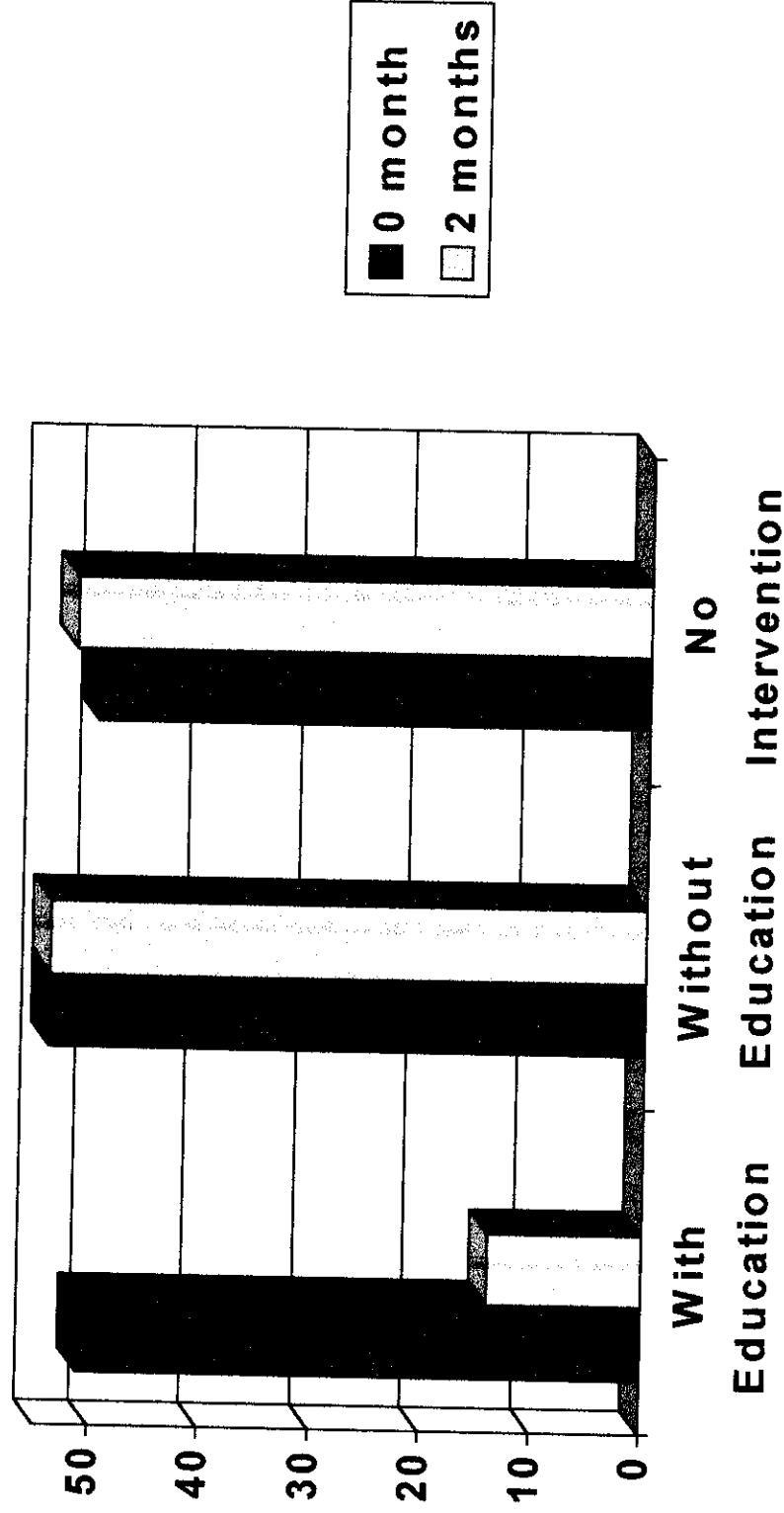


# Reduction of Zinc Deficiency ( $<10.7 \text{ :mol/L}$ ) after Zinc Supplementation in Vietnamese Infants

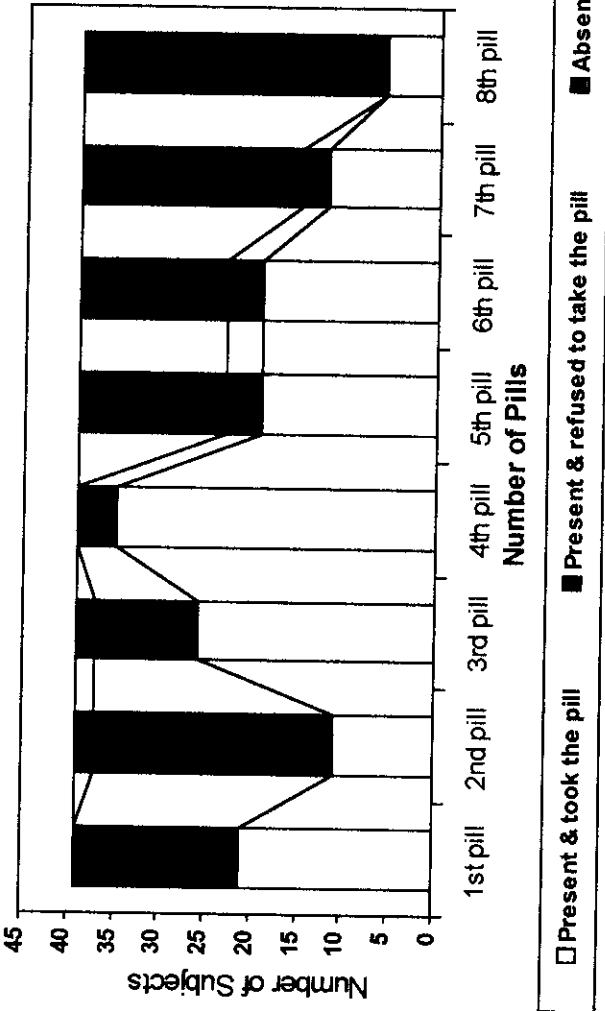
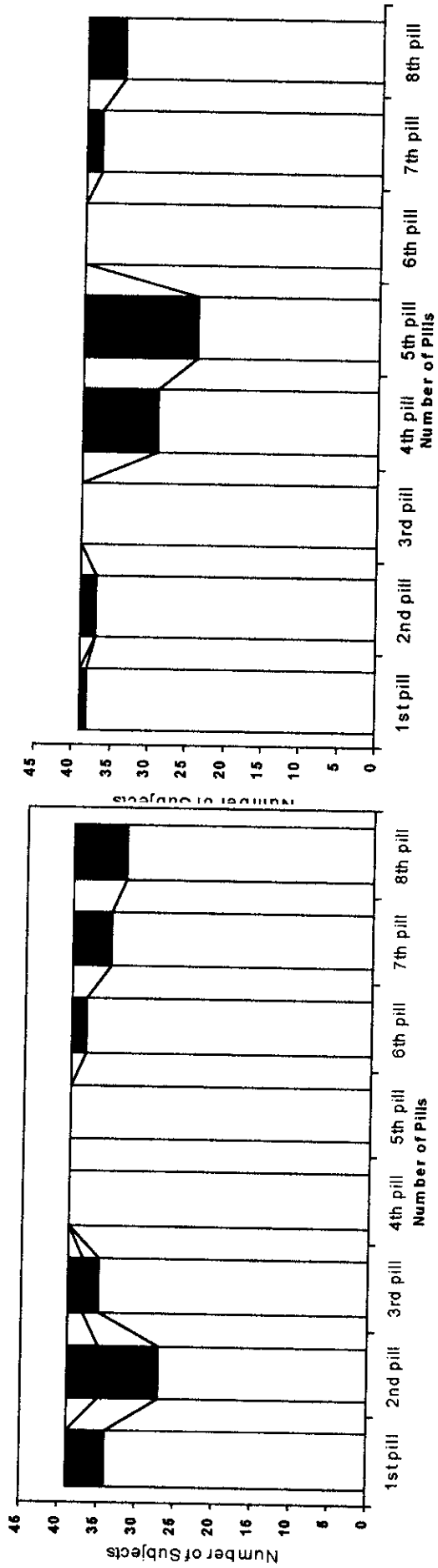


# Reduction of Anemia after Weekly Supplementation in Tanzanian Adolescents

Anemic Adolescents (%)

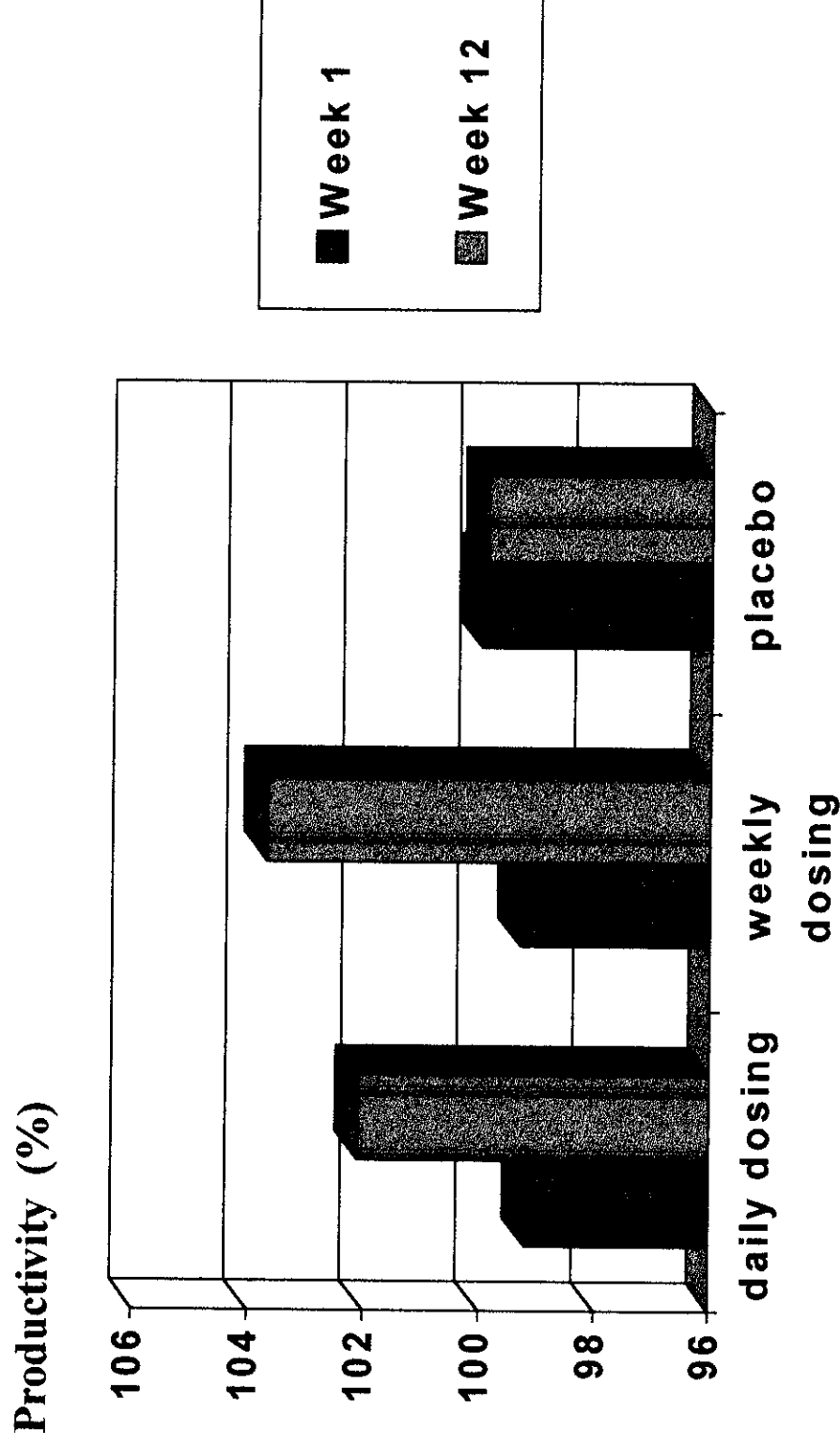


# Compliance of Weekly Supplementations in Tanzanian Adolescents

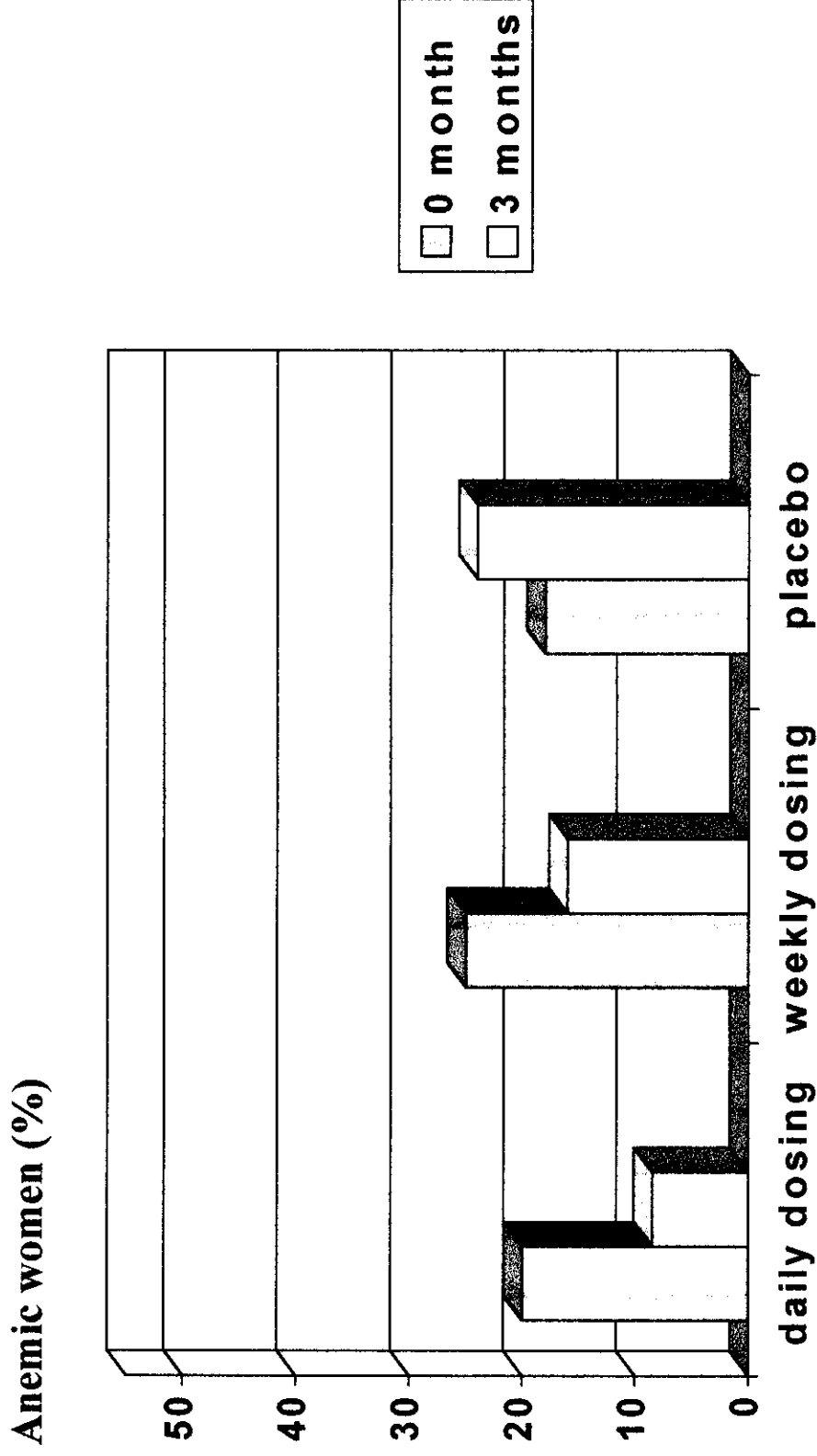


Present & took the pill    
  Present & refused to take the pill    
  Absent

# Productivity after Daily Multi-Micronutrient Supplementation and Weekly Iron in Indonesian Female Laborers



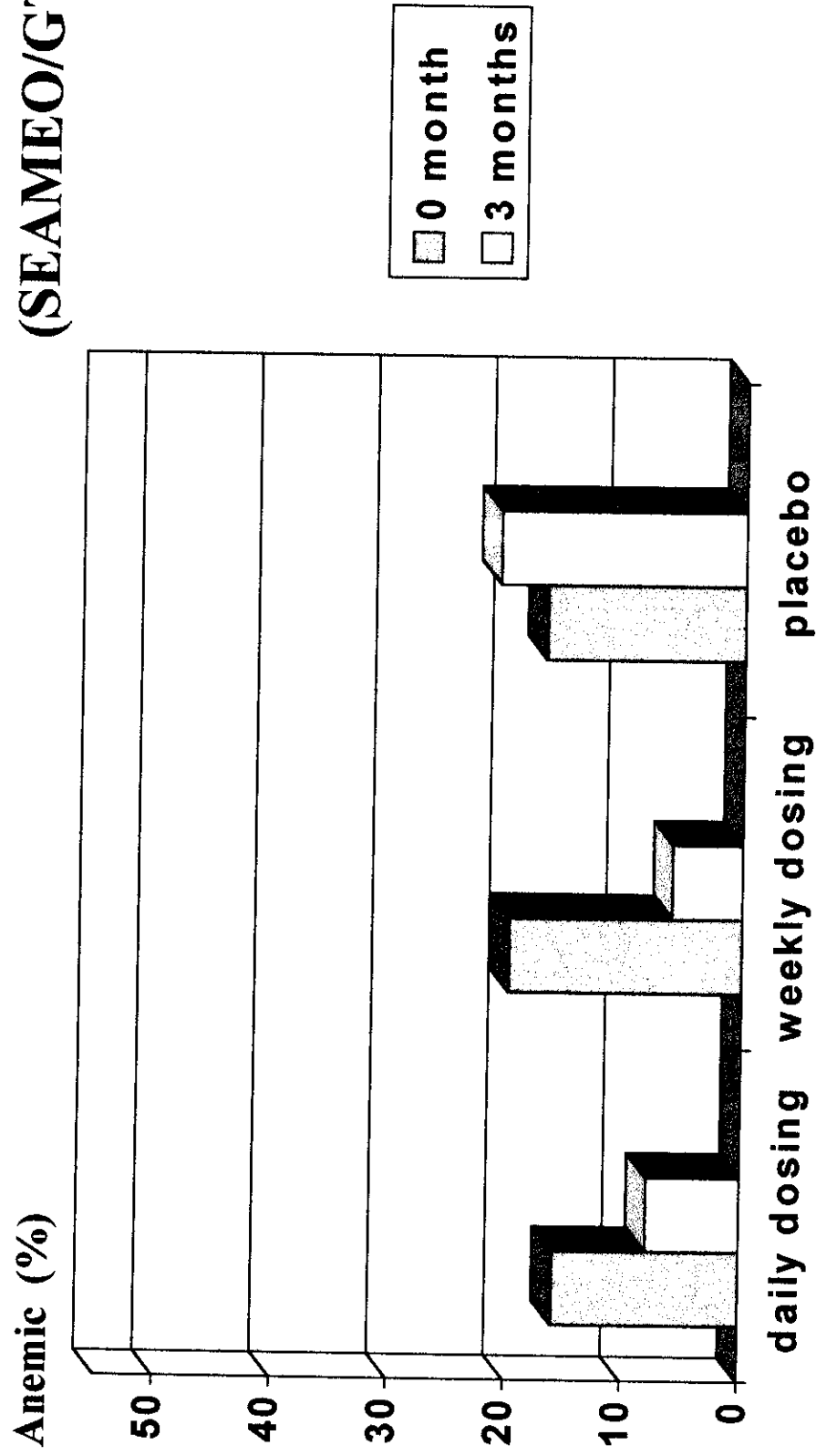
# Reduction of Anemia after Daily Multi-Micronutrient Supplementation and Weekly Iron in Indonesian Female Laborers



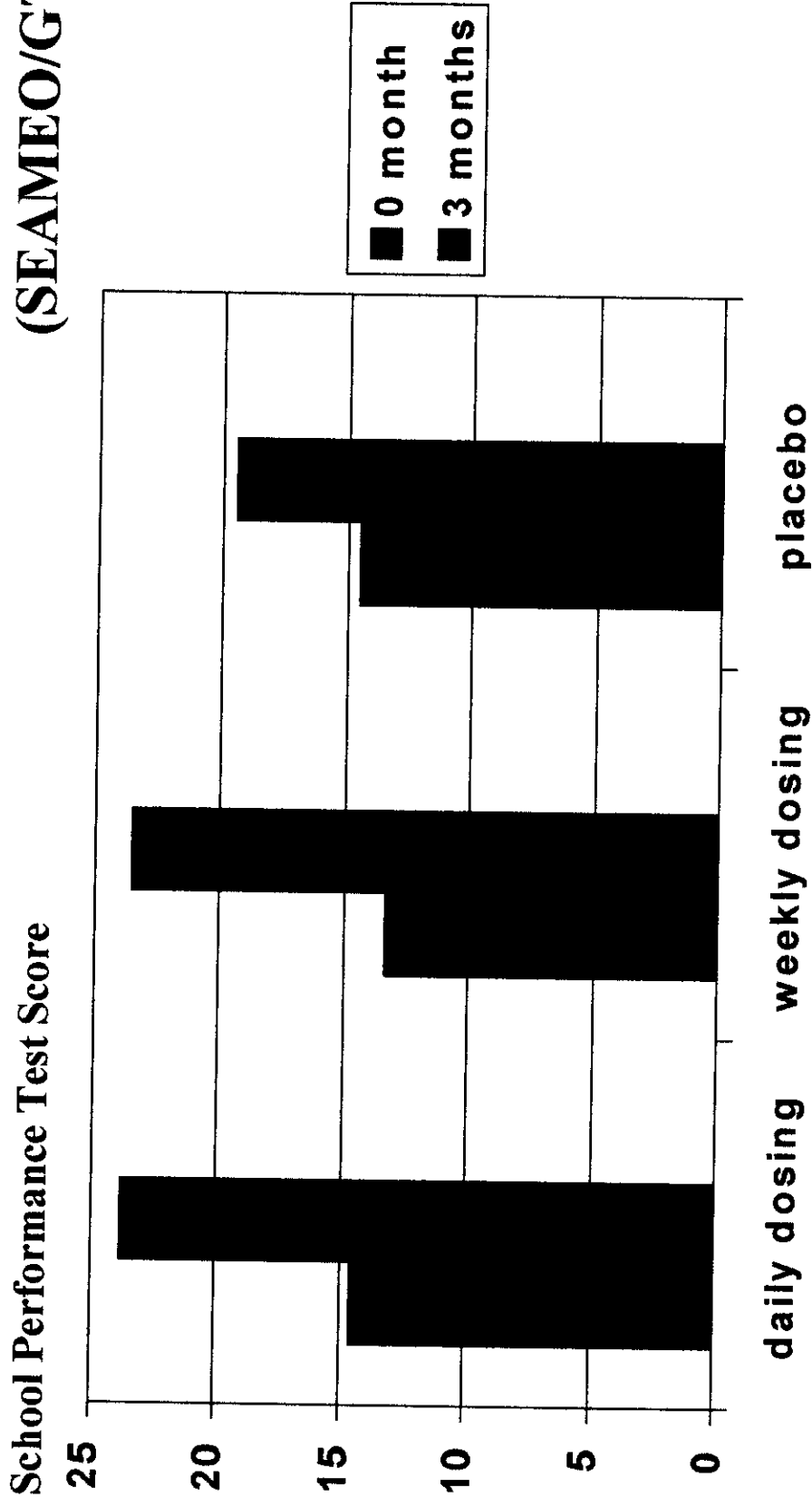
# Summary of Weekly Dosing Trials

Country	Res Team	Year	Iron	Subjects	Duration	Result
Vietnam	SEAMEO/GTZ	1997	8/20	14 mo	3 mo	✓
Indonesia	SEAMEO/GTZ	1997	60/120	Adolesc	3 mo	✓
Tanzania	SEAMEO/GTZ	1997	65	Adolesc	2 mo	✗
Indonesia	SEAMEO/GTZ	1997/8	28/60	Women	3 mo	✓

# Reduction of Anemia after Iron Supplementation in Indonesian Adolescents (SEAMEO/GTZ)



# Increase of Learning Abilities after Iron Supplementation in Indonesian Adolescents (SEAMEO/GTZ)



# Estimated Annual Costs of Iron Supplementation in Indonesia

Target population	Costs in US\$
Pregnant and lactating women	3.9
Infants (0.5 - 1 yr)	11.4
Low-birthweight infants	5.4
Pre-schoolers (>1 - <5 yr)	315.2
Adolescent girls (10 - <19 yr)	23.6
<b>Total</b>	<b>359.5</b>
	<b>14.9</b>

# **Conclusions**

**Weekly dosing shows efficacy on iron supplementation in non-pregnant individuals**

**Weekly dosing shows efficacy also with other micronutrients**

**Weekly dosing does not substitute adequate communication measures**

**Weekly dosing does not substitute adequate monitoring of compliance**

# **Further Research on Weekly Dosing**

**Efficacy in pregnant women**

**Efficacy of multi-nutrient dosing**

**Increase of compliance**

**Communication programs**

**Community participation**

**M+E of compliance**

**Costs and efficiency**

**Current program effectiveness and efficiency**