

# Preliminary cost estimates of the Suaahara II multisectoral nutrition program in Nepal

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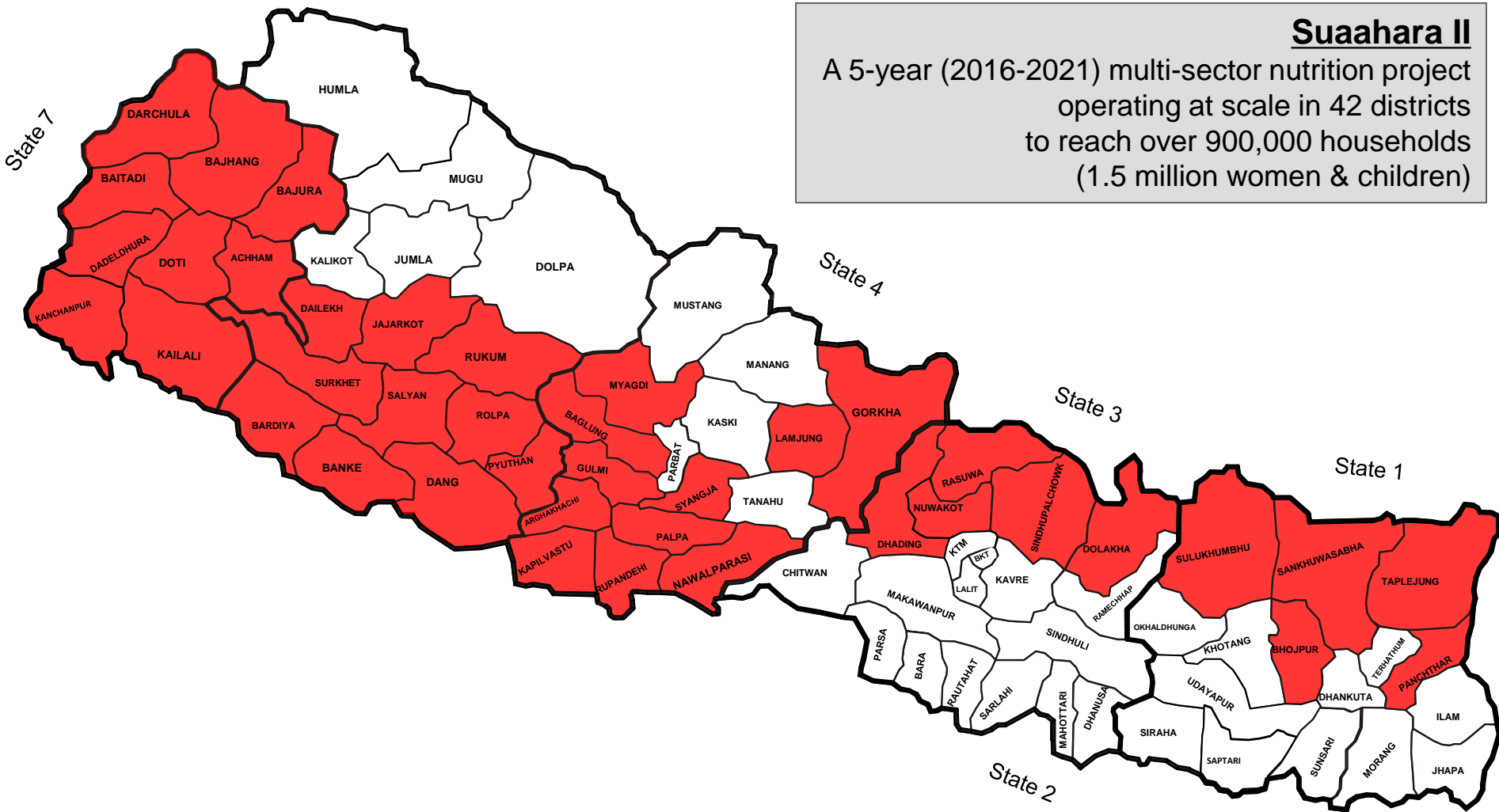
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# Outline

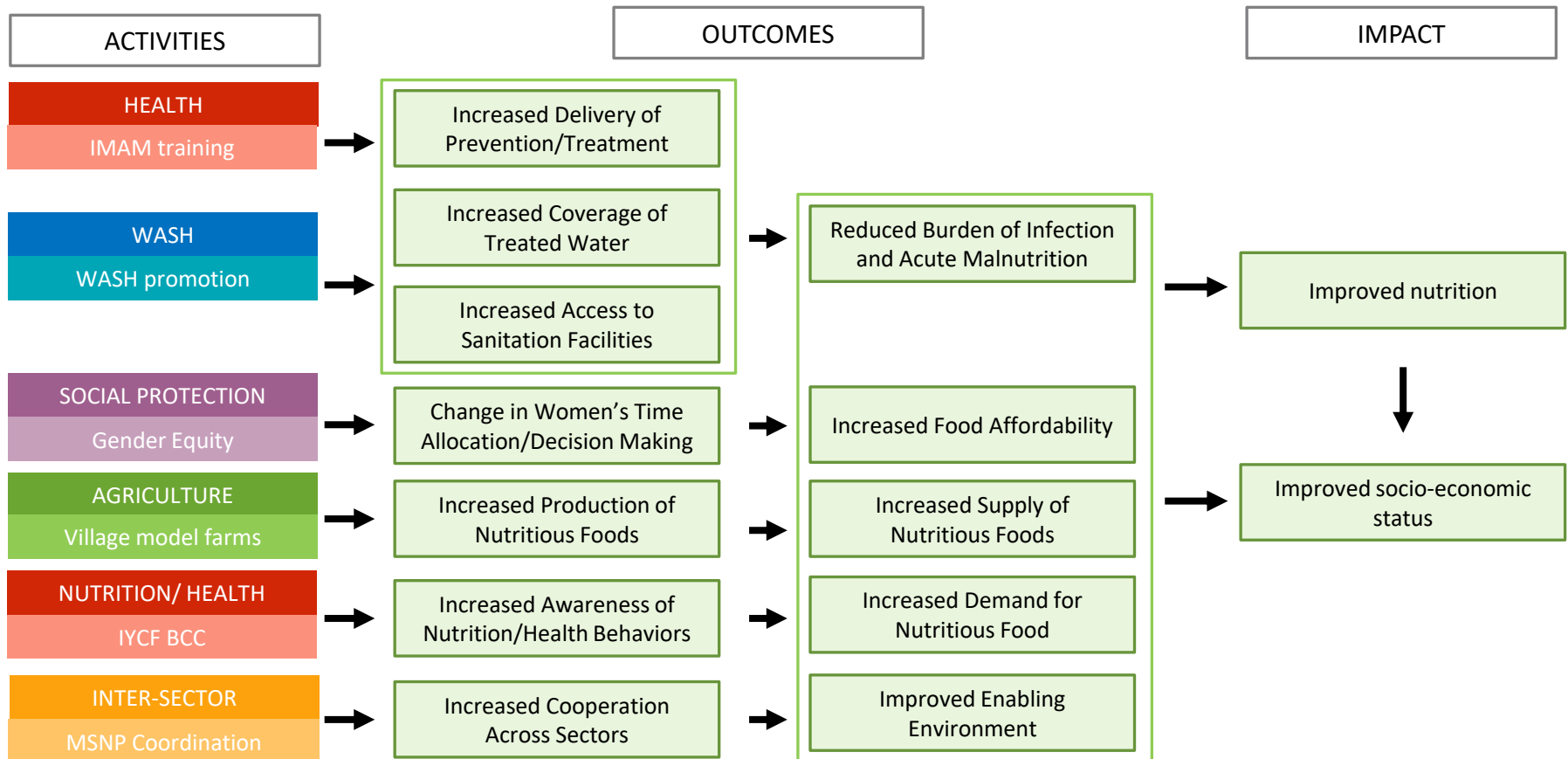
- Suaahara II introduction
- Overview of costing study design
  - Financial expenditure analysis
  - Volunteer time, out-of-pocket expense, opportunity cost
- Progress and preliminary estimates of financial and economic costs
  - Large cost drivers

## Suaahara II

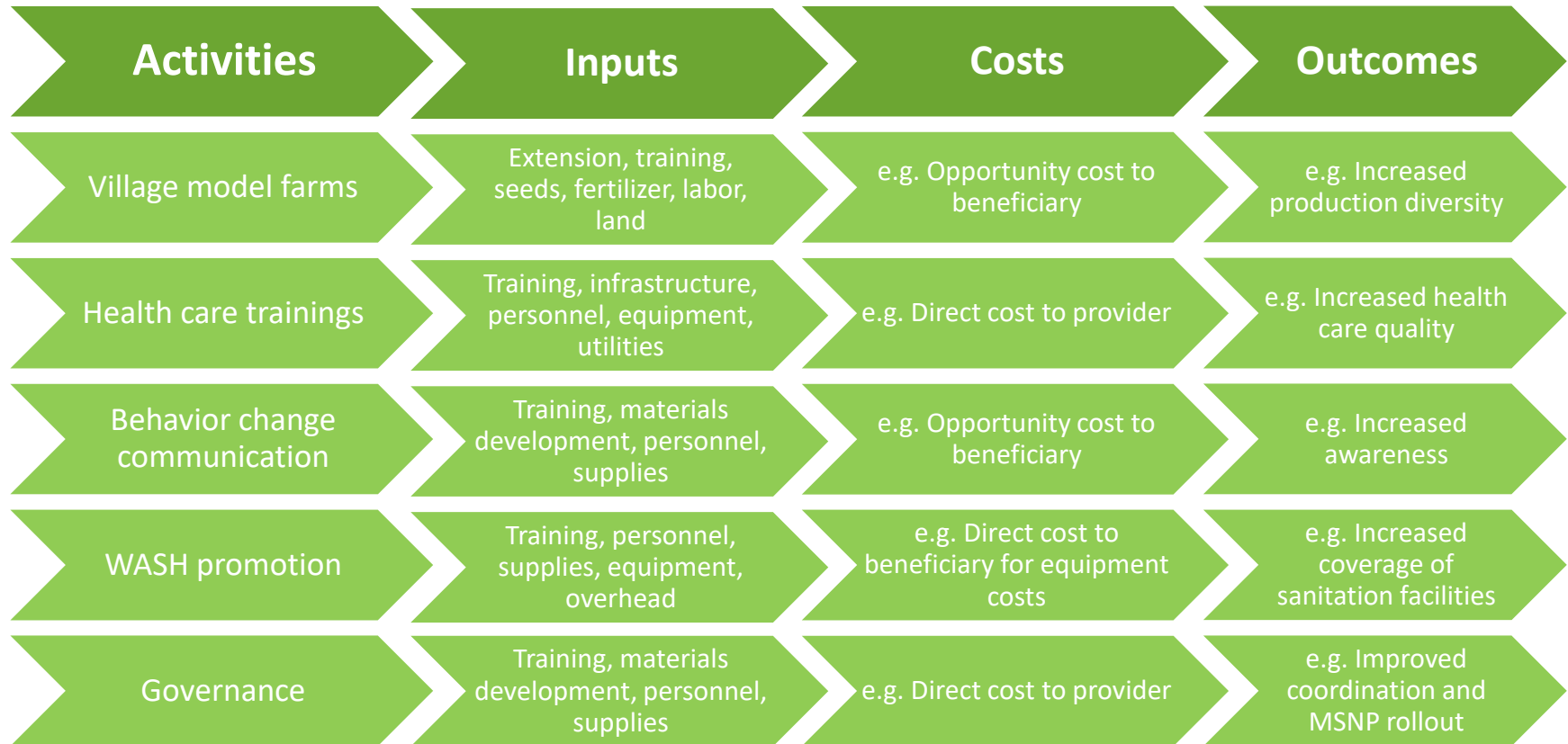
A 5-year (2016-2021) multi-sector nutrition project operating at scale in 42 districts to reach over 900,000 households (1.5 million women & children)



# Mapping Suaahara II to SEEMS typology



# Mapping Suaahara II to SEEMS typology



# Methods



# Financial vs. Economic Costs

## Financial

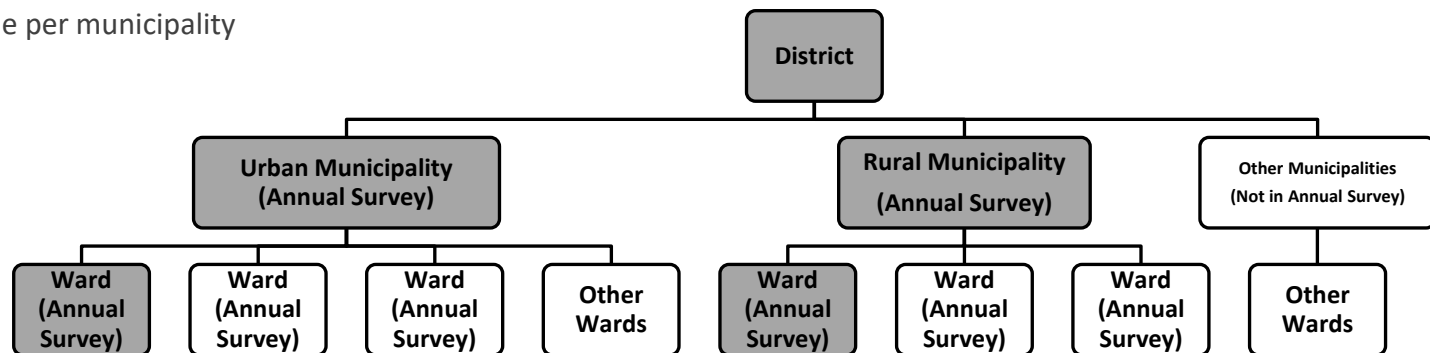
- What are the actual annualized expenses paid by the Suaahara II project?
  - Salaries, materials, vehicles and transport, infrastructure, etc.
  - Source:
    - Consortium partner expenditures
    - PNGO expenditures

## Economic

- What are the value of resources provided by Suaahara II government and community partners (including beneficiaries)?
  - Opportunity cost of time
  - Out-of-pocket cost
  - Source:
    - Interviews and focus groups

# Sampling

- Districts
  - Purposively sampled –
    - Nawalparasi, Sindhupalchok, Bhajang, Dhading
- Municipalities
  - Purposively sampled from Suaahara II Annual Survey clusters
    - One rural municipality, one municipality
- Wards
  - Randomly sampled from Suaahara II Annual Survey clusters
    - One per municipality





# Qualitative Data Collection

- National level:
  - 1-4 staff members per consortium partner
  - 1 financial staff per consortium partner
- District level:
  - Suaahara II Coordinator and Technical officers (5)
  - PNGO Field Coordinator and AFO (2)
  - Field supervisors (5-8), CNVs (10-15), VMFs (5-8)
- Municipality level:
  - Municipal health coordinator, nutrition coordinator, NFSSC members (2)
- Ward level:
  - Front-line HCWs (3-4), FHCVs (6-9)
  - 1000-day mothers (5-10)

# Financial Expenditure Data

- Expense-level records from national consortium partners and district-level implementing organizations
- Coded by input and activity
  - Staff time and shared costs allocated to activities using interview data
- Start-up and capital expenses annualized

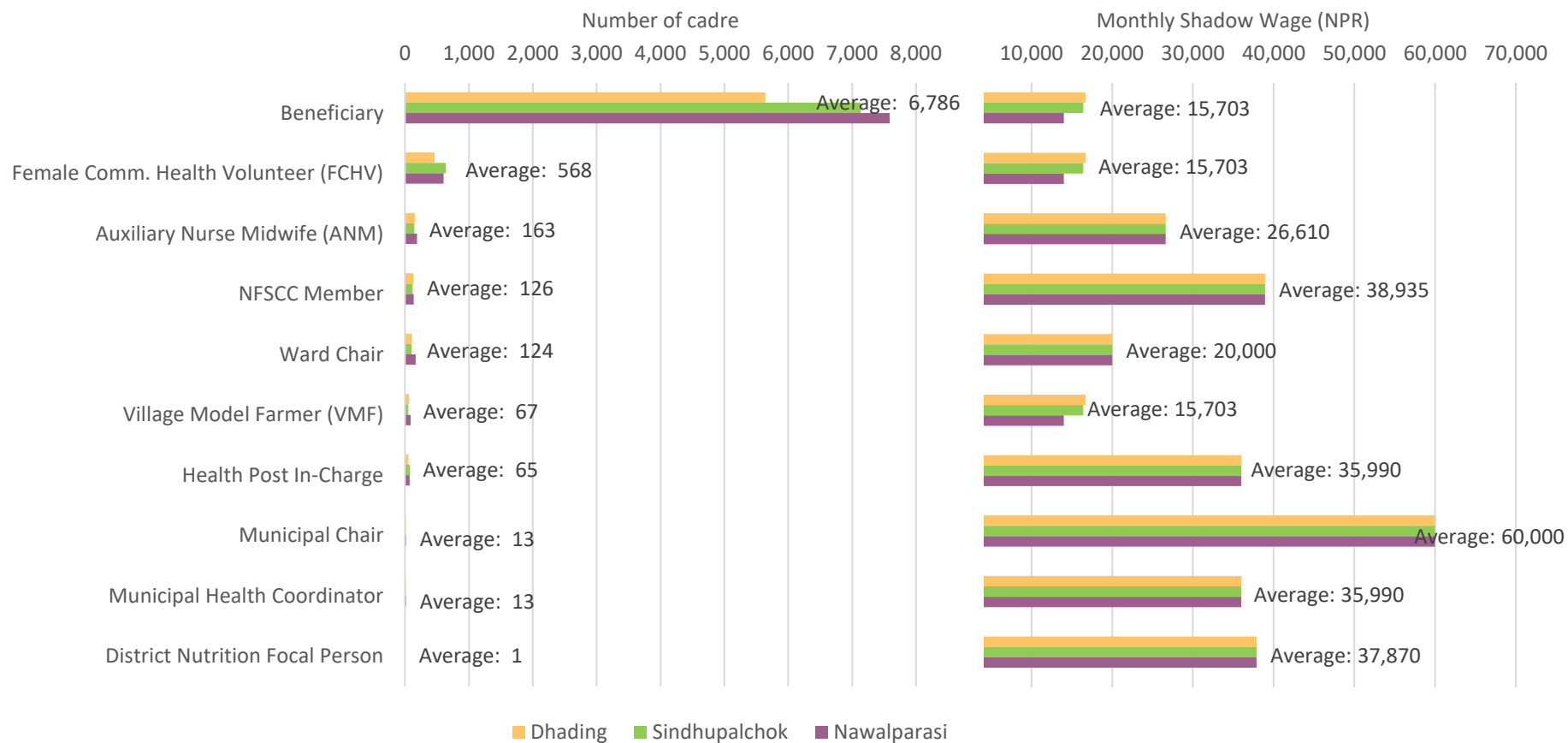
# Preliminary Results

# Qualitative samples

\*Qualitative interviews have been completed in all districts except Bajhang. Data collection is delayed in Bajhang due to COVID-19 restrictions.

Category	Cadre	Dhading		Sindhupalchok		Nawalparasi		Total
		Urban	Rural	Urban	Rural	Urban	Rural	
Beneficiaries	Regular beneficiaries	6	16	5	5	6	7	45
Beneficiaries	Village model farmers	0	0	0	1	0	0	1
Government: Frontline	Health post in-charge	1	1	1	0	1	1	5
Government: Frontline	Auxiliary nurse midwife (ANM)	1	1	0	1	2	2	7
Government: Frontline	Female community health volunteer (FCHV)	1	1	2	2	2	2	10
Government: Leadership	District nutrition focal person	1		1		0		2
Government: Leadership	Health coordinator	1	1	1	1	1	1	6
Government: Leadership	Municipal chairperson	1	1	0	0	0	0	2
Government: Leadership	Ward chairperson	0	1	1	1	0	0	3
Government: Leadership	NFSCC member	0	0	0	1	2	2	5
SII Staff/Volunteers	SII program coordinator	1		1		1		3
SII Staff/Volunteers	SII finance officer	1		1		1		3
SII Staff/Volunteers	SII HFP officer	1		0		1		2
SII Staff/Volunteers	SII MNCH/GESI officer	1		1		1		3
SII Staff/Volunteers	SII NSBCC officer	1		1		1		3
SII Staff/Volunteers	SII WASH officer	1		0		1		2
SII Staff/Volunteers	PNGO field coordinator	1		1		1		3
SII Staff/Volunteers	PNGO finance officer	1		1		1		3
SII Staff/Volunteers	PNGO ED	0		1		1		2
SII Staff/Volunteers	Field Supervisors	6		2		1		11
SII Staff/Volunteers	Community Nutrition Volunteers	7		2		1		14
						<b>Total</b>		<b>135</b>

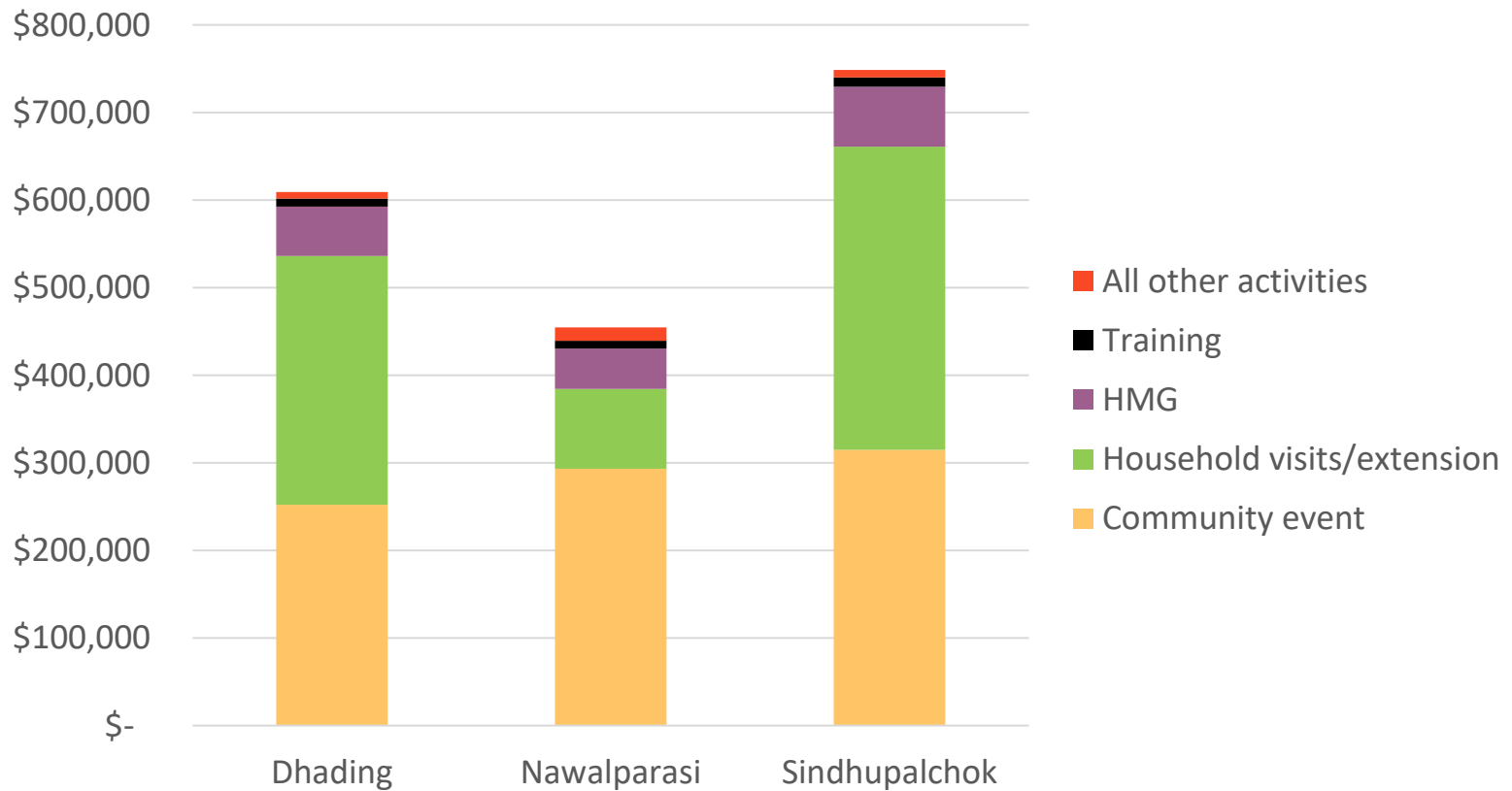
# Estimating Economic Costs



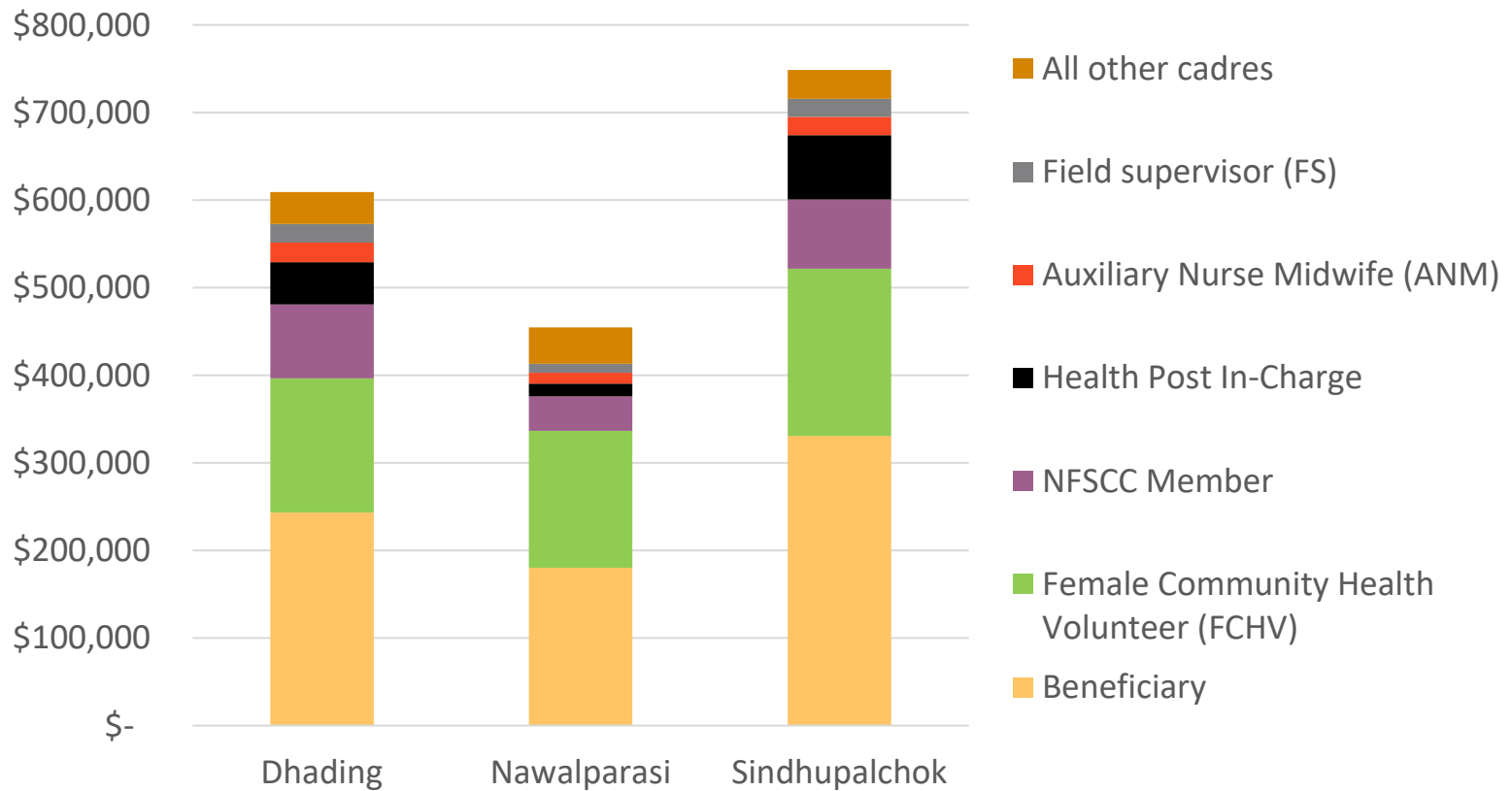
# Beneficiary monthly economic cost

	<u>Hill</u>			<u>Terai</u>		
	Hours per month	Hourly wage	Monthly cost	Hours per month	Hourly wage	Monthly cost
<b>TOTAL MONTHLY COST</b>			<b>\$2.33</b>			<b>\$1.73</b>
<b>Community event</b>			<b>\$1.71</b>			<b>\$1.29</b>
<b>Time</b>						
Activity time	1.6	\$0.85	\$1.39	1.6	\$0.72	\$1.14
Travel time	0.2	\$0.85	\$0.16	0.2	\$0.72	\$0.12
<b>Out-of-pocket expenses</b>						
Food			\$0.08			\$0.00
Childcare			\$0.06			\$0.03
Chaperone			\$0.02			\$0.00
<b>HMG*</b>			<b>\$0.62</b>			<b>\$0.44</b>
<b>Time</b>						
Activity time	2.6	\$0.85	\$0.44	2.6	\$0.72	\$0.37
Travel time	0.4	\$0.85	\$0.06	0.4	\$0.72	\$0.05
<b>Out-of-pocket expenses</b>						
Food			\$0.02			\$0.00
Childcare			\$0.00			\$0.01
Chaperone			\$0.09			\$0.00

# Annual economic cost by district and activity

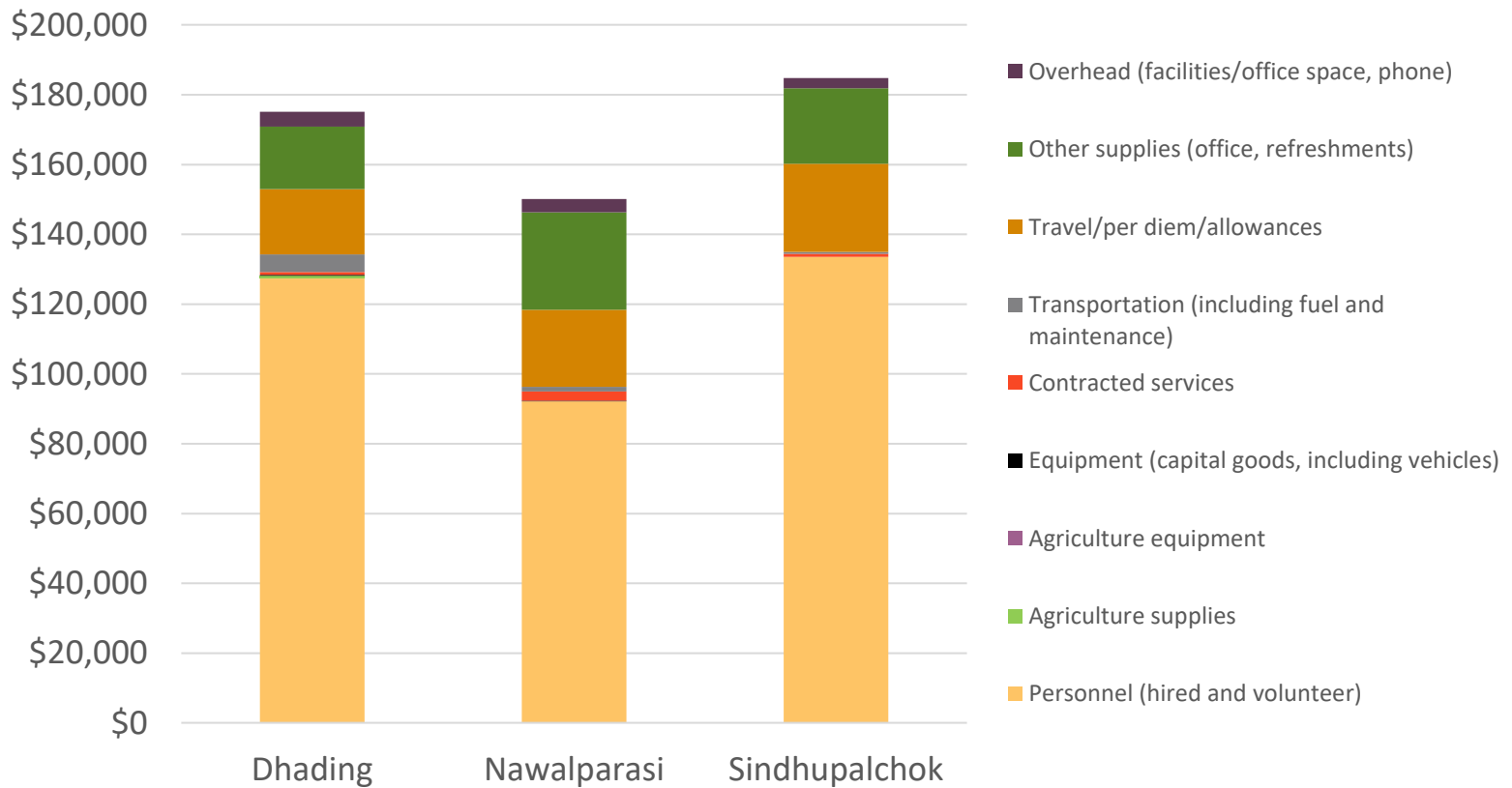


# Annual economic cost by district and cadre

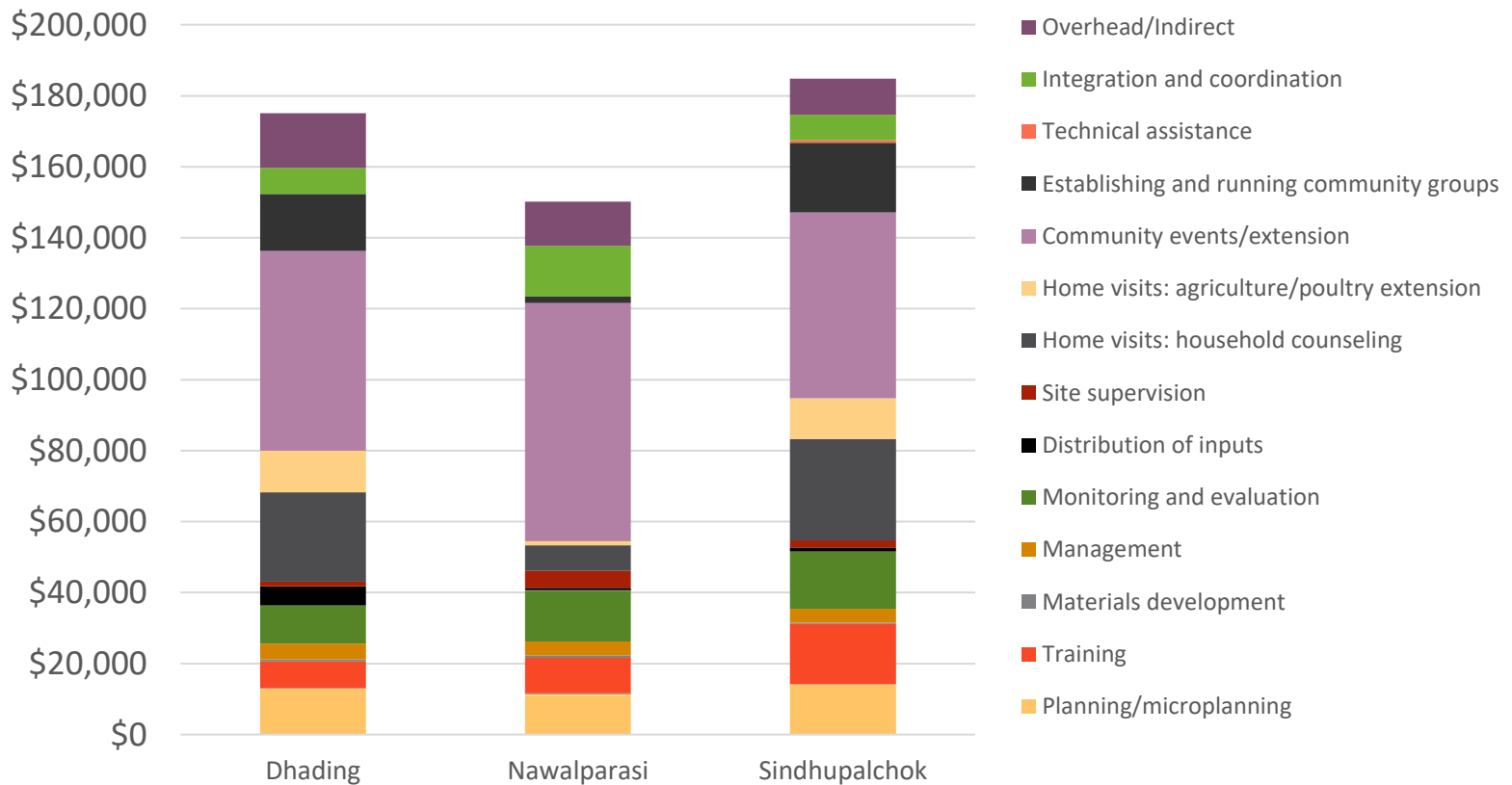




# Annual financial cost by district and input



# Annual financial cost by district and activity



# Next steps

- Economic costs
  - Complete qualitative data collection in 4<sup>th</sup> district - Bajhang
  - Expand data collection for cadres with surprising results
- Financial costs
  - Obtain and analyze financial expenditure reports from national consortium partners
- Combine economic and financial costs to estimate overall cost
- Combine results from Suaahara II Impact Evaluation for cost effectiveness and benefit-cost analysis

Thank you!  
Questions?