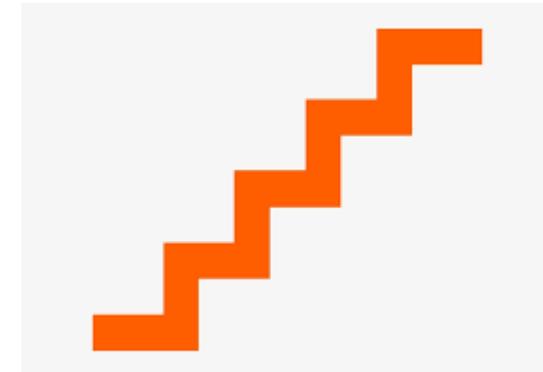


# Using Middle-level Theory: Ten Steps for Constructing Middle-level ToCs

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# Middle-level Theory

2 kinds matter here

- ML causal principles
- ML pToCs



Middle?

Abstract

Universal/  
Wide range



Particular/  
Local

Concrete

## High level

Agents act to

Wide ranging  
Abstract language

Expected utility

## Middle-level

People respond to incentives

People

Range restricted  
Very concrete language

People tend to do it

Parents enrol children in school in offered education-conditioned CTs

## Concrete & particular/local

In Brazil's Bolsa programme conditional allowances given

prefer

Tied to specific places & times

through "Citizen Cards"

that can be withdrawn in

more than 14,000 locations induce parents to enrol children in school

# MLT: useful in development planning & evaluation



**MLT**

1. Predict effectiveness in local settings
2. Suggest programme design features
3. Information for monitoring
4. Assumptions to be tested in an evaluation
5. Identify evaluation questions
6. Interpret evaluation findings

# Middle-level causal principles

- Often familiar behavioural principles
- Also the result of social science research
- Generally don't tell what will result
- But describe what the cause **tends to:**
  - You may have to trigger the cause
  - The indicated effect may not be the observed outcome because other causes also influence it
  - Still, the cause may push the outcome in the direction indicated

## Today: Constructing...

ML causal-process-tracing theories of change (*pToCs*)

Using ML causal principles as guides



# *1. Specify the overall (ML) theory*

Overall theory: **what** the programme is expected to achieve & **why**

Educational CCTS:

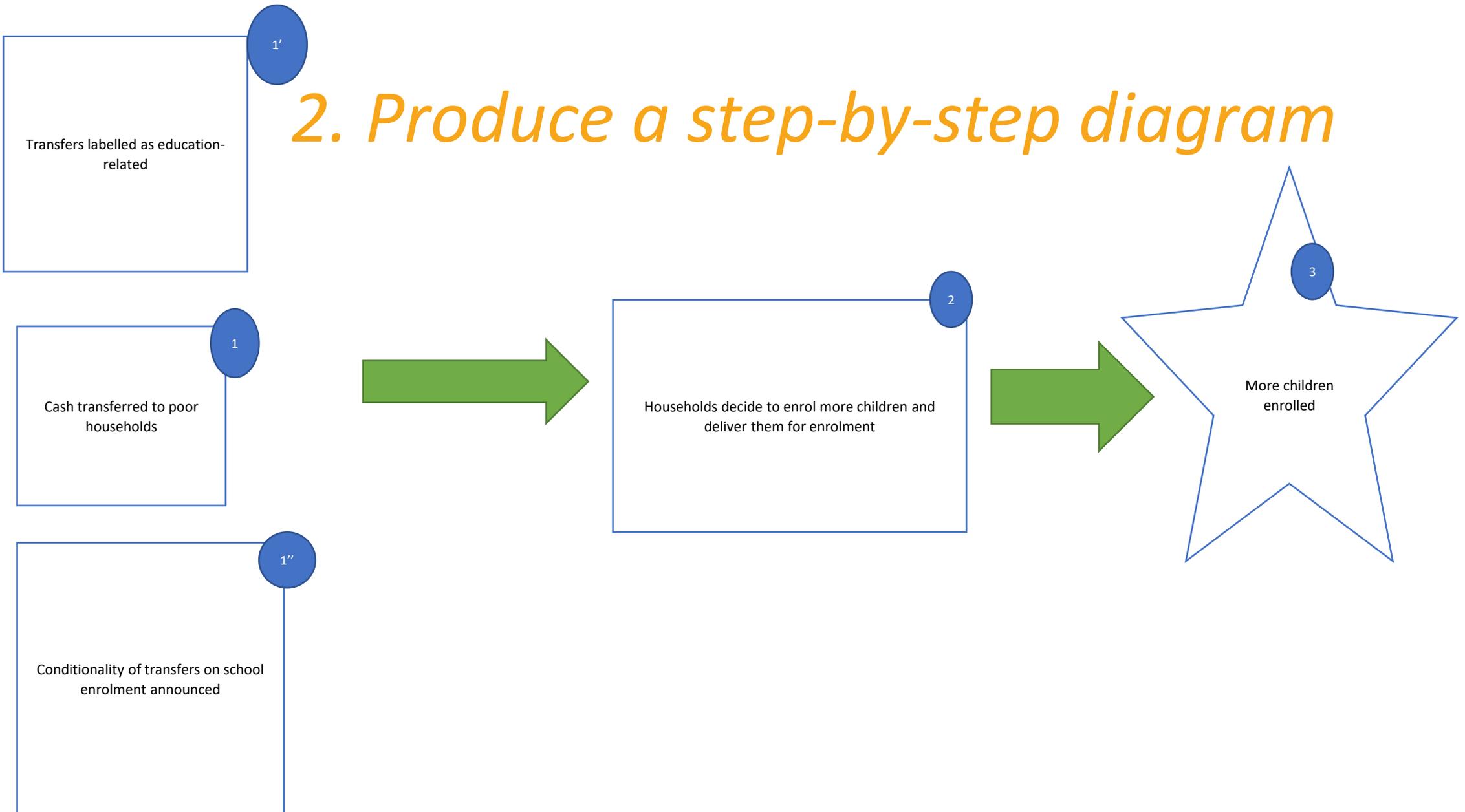
CTs conditional on children attending school increases school enrolments

Because:

Households spend in their children's interests failing strong barriers

The cash overcomes financial barriers

## 2. Produce a step-by-step diagram



### *3. Describe the causal principles at work at each step*

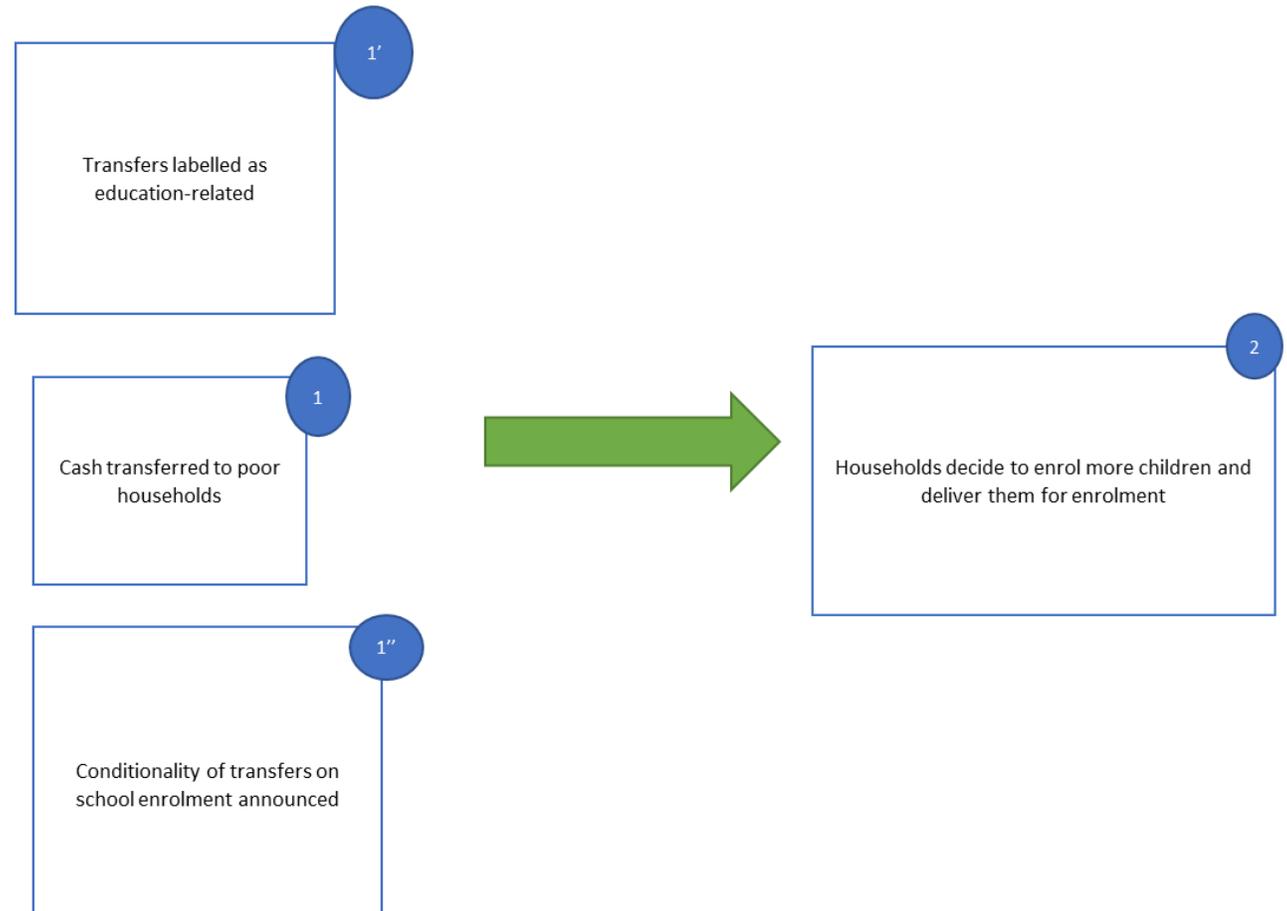
### 3. Describe the causal principles at work at each step

1. + 1'. → 2

Labelling a good →

Increased importance of that good →

Increased spending on it even absent a requirement to do so



### 3. Describe the causal principles at work at each step

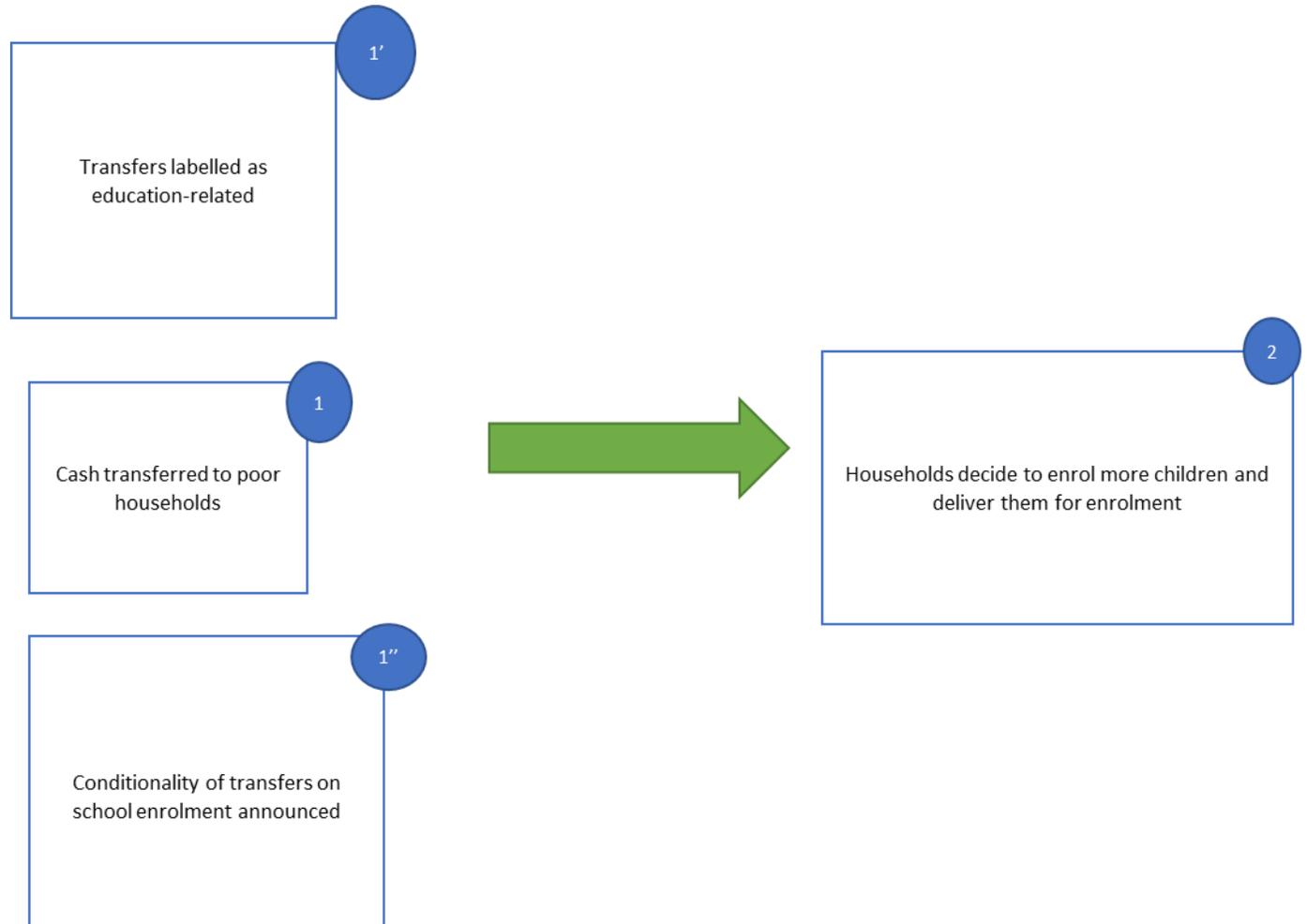
1. + 1'. + 1''. → 2

Conditioning CTs on a known requirement →

Costs of not meeting the requirement →

'Substitution effect' (increasing cost of a good encourages choosing an alternative) →

Attempts to meet the requirement



### *3. Describe the (ML)causal principles at work at each step*

The causal principles play a central role in figuring out what information is needed for each step to occur

## *4. Add support factors*

- The actions cited are seldom enough to produce the influence expected
- They need **support factors**
- Also called 'moderators'/interactive variables

## *Support factors: examples*

1.+ 1". → 2

Conditioning CTs on a requirement → substitution effect → attempts to meet requirement

1"a. Conditions are conveyed and understood

1"b. There's a credible threat of enforcement

2. → 3

Presenting a child for enrolment → child is enrolled

2a. The school is competent to enrol students

2b. Places are available

# Caution

- *Each step* must have its support factors in place to produce the next step
- If *any* support factor is missing anywhere, the *whole process* collapses



## 5. Add derailers

Derailers = things that intervene to prevent the effect

The household

- accepts the CT
- understands it's meant for sending children to school
- intends to do so

Then **derailer**

- gives in to temptation spending or yields to other priorities

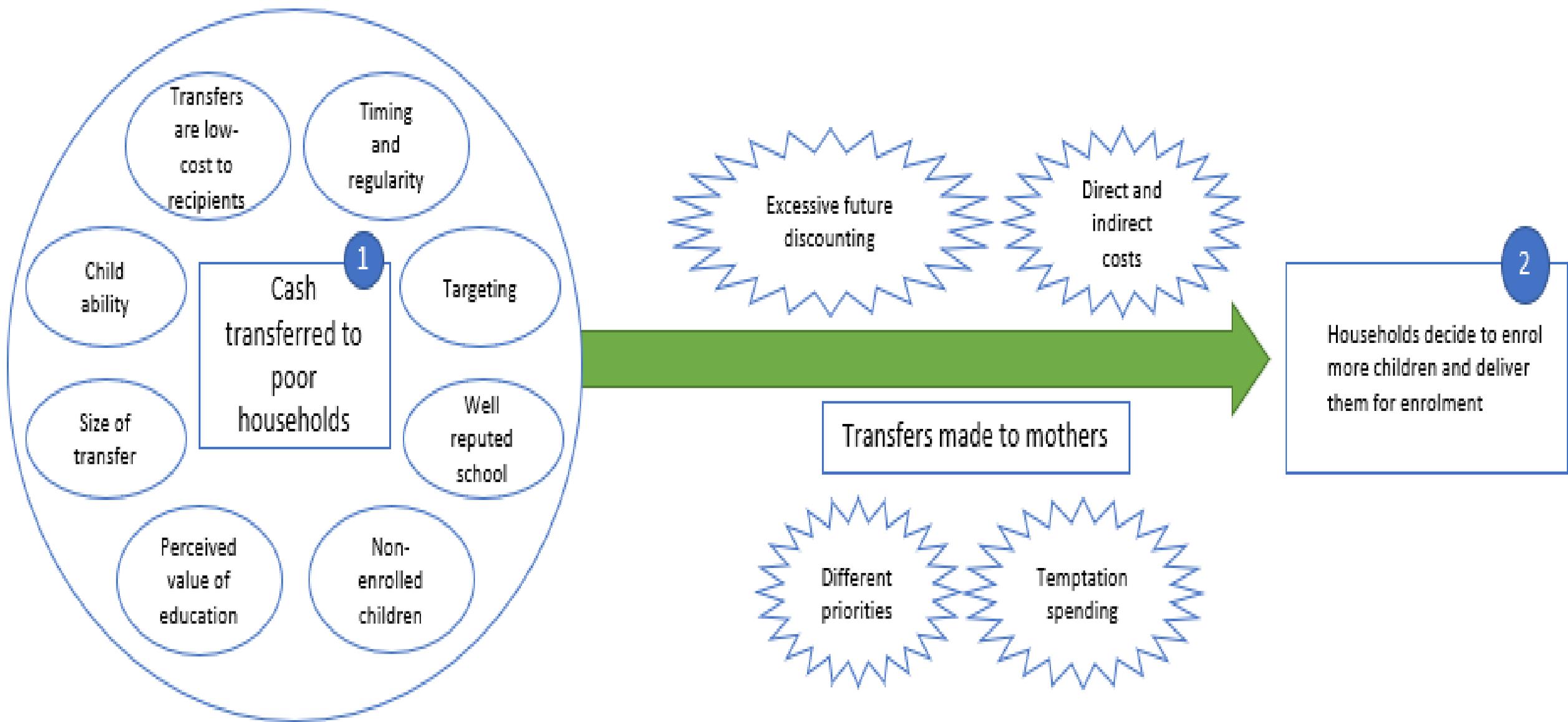
## *6. Add safeguards*

Safeguards = 'walls' excluding derailers

Mothers may be

- more concerned about the education of their children than fathers
- less likely to give in to temptation spending or yield to other priorities

**Safeguard:** Give CCTs to mothers in these circs



## 7. Allow for causal loops

Causal loops -- positive or negative

- More children enrolled →
- children withdrawn →
- CTs stopped for them (+ wide notice / understanding of the reasons) →
- credibility of stopped CTs if conditions aren't met →
- incentives to keep children in school →
- more children enrolled

## *8. Specify expected range of application*

**Where** should the ML pToC apply ?

Indicators from

- Overall programme theory
- Individual ML causal principles
- Supporters, derailers & safeguards

## *Range of application*

The programme's risky anywhere

- the ML(!) principles don't work
- support features are missing
- unguarded derailers are likely

## *Range of application*

Overall (ML) programme theory:

CCTs remove financial barriers

CCTs **won't work** where households don't send children to school

- Because they think it's low quality, don't trust it or disapprove of school education
- **not** because they lack resources

## *Range of application*

### Support factors, derailers, safeguards

- Transfers are low cost to recipients
- School places are available

A CCT programme won't work where there's no way to achieve this

## *9. Draw implications for evaluation questions and monitoring & evaluation indicators*

## *9. Draw implications for evaluation questions...*

- Availability of school seats?
- Beneficiary understanding of the conditions?
- Are conditions monitored, enforced?

Finding ex post that essential features were missing is evidence that the programme had little responsibility for the results even if the expected outcome occurred

## *9. Draw implications for ... monitoring & evaluation indicators*

- Number of intended beneficiaries participating
- Parental knowledge and understanding of the CCT scheme
- Verification of receipt of the transfer
- How well conditions are monitored, enforced
- Outcomes on school enrolment and attendance

# Indicators at various levels

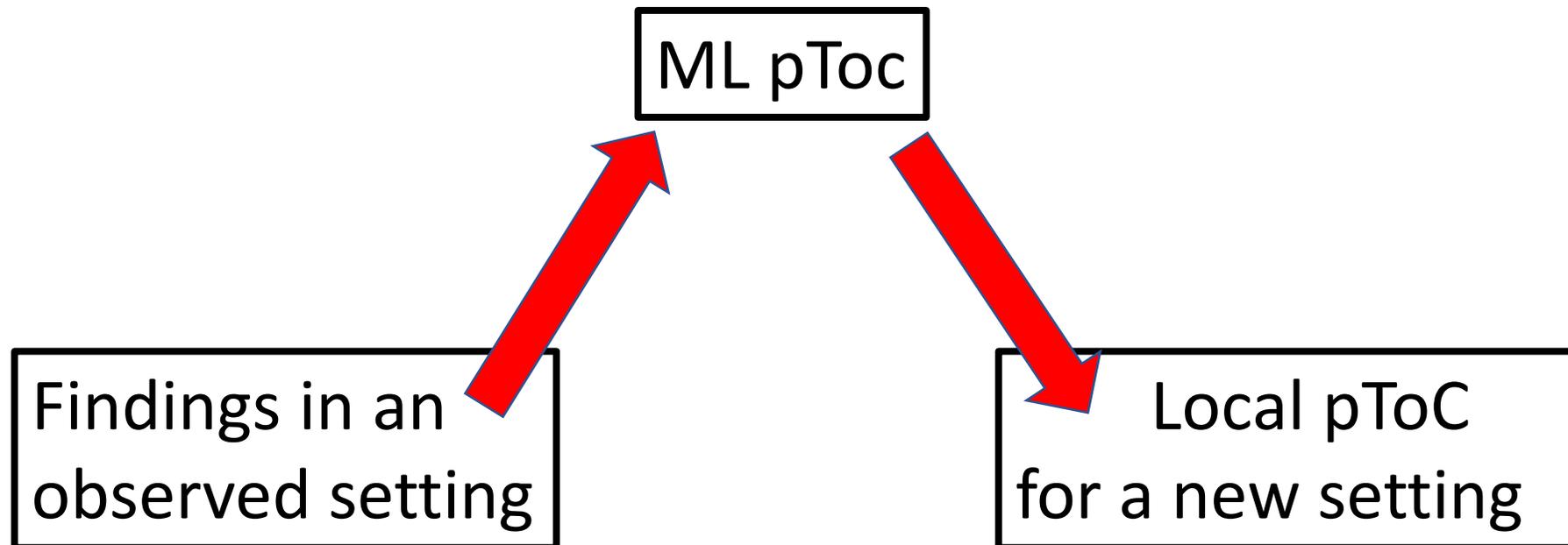
pToCs at two levels:

- the ML pToC meant to apply across a range of settings
- the local pToC for a specific setting

The ML pToC suggests **general types** of monitoring & evaluation indicators that may be **adapted** to specific contexts through thickening

## 10. Draw implications for future programme design

ML pToCs help with **applying evaluation findings** from one setting to another

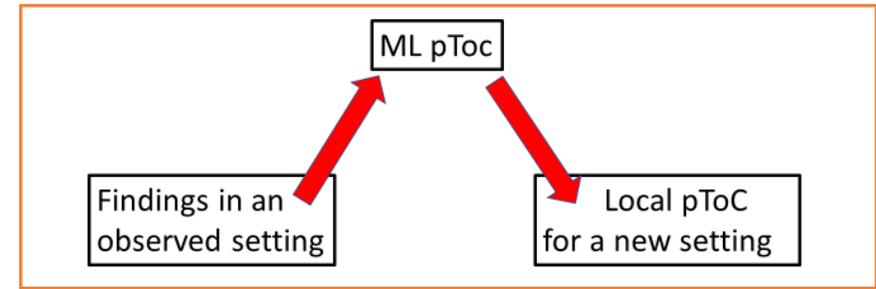


# Implications of findings

- Finding in the **observed setting**:

Households didn't take part because transfers were made to bank accounts. Households didn't have bank accounts.

- **MLT**: transfers should be made in a way that makes them accessible to intended beneficiaries
- In **new settings**: the time & place of transfer needs to be convenient & accessible for recipients there



# General credentialing

- From a variety of sources
- Requiring a broad mix of methods
- The better the support for each component of the pToC, the stronger the credentials
- It can also be tested by looking to see if the programme works when it accords with an appropriately thickened local pToC
- This leads to a process of mutual adjustment between the middle- and the local-level that can continue as the theory is used in designing & implementing a programme or gathering evaluation evidence

# Final advice

# For those designing programmes for repeated use

- Building a ML pToC can be hard – needing new theorising & research
- **Don't duck this job**
- Local decision-makers are generally not in a good position to figure out what must be in place if the programme process is to carry through there
- You need to assist them by providing maximal information

# For those deliberating at the local level

- You need to build a good local-level pToC if your decisions are to be reliable and credentialed
- A good ML pToC is an invaluable starting point
- Thickening that to fit local circumstances requires local knowledge
- This may take additional research
- Best to do this with key stakeholders



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**THANK YOU**