# Attracting poor people to free public health care

**2 alternative health equity fund approaches**

# The approaches

1. Integrated Social Health Protection Scheme
    - Kampong Thom
2. Community-managed Health Equity Funds
    - 12 provinces

# 1. Integrated social health protection scheme

- Non-poor ‘voluntarily’ buy into HEF

- Other interventions, including:

  - Awareness raising voluntary insurance
  - Vouchers for MCH
  - Pay-for-performance –clients satisfaction surveys
  - Technical and structural quality of services
  - Limited degree of accountability interventions

# Methods

- Cross-sectional survey 2 interventions ODs, 2 control ODs
- Adults 18-59 years

- 3 configurations
  - *iSHPS* that also expands HEF coverage to non-poor households [n= **1182**]
  - *Standard HEF* (HoHEF) where HEF coverage is only available at a hospital [**414**]
  - *Comprehensive HEF* (CHEF) where HEF coverage is available at both the health centre level and the hospital level to eligible poor households [**486]**

- Direct costs (transport and fees)

# Results

| | HEF configuration | | | |
|---|---|---|---|---|
| | HoHEF N (%) | CHEF N (%) | iSHPS N (%) | p-value (df = 2) |
| Number of health centres | 4 | 9 | 27 | |
| Number of respondents | 262 | 607 | 767 | |
| Gender respondent | | | | |
| Male | 75 (28.6) | 127 (20.9) | 113 (14.7) | <0.001 |
| Female | 187 (71.4) | 480 (79.1) | 654 (85.3) | |
| Had ≥ 1 sick member | 215 (82.1) | 349 (57.6) | 643(84.5) | <0.001 |
| Total sick persons | 414 | 486 | 1182 | |
| Gender of sick person | | | | |
| Male | 123(29.7) | 90 (18.5) | 167 (14.1) | <0.001 |
| Female | 291 (70.3) | 396 (81.5) | 1015 (85.9) | |
| Was sick and sought care | 411 (99.3) | 448 (92.2) | 1148 (97.1) | <0.001 |
| Mean age of sick seeking care in years | 26.3 | 29.0 | 22.8 | |
| Of which | | | | |
| children aged ≤ 5 yrs | 71 (17.2) | 76 (17.0) | 259 (22.6) | <0.001 |
| women of reproductive age | 65 (15.8) | 95 (21.2) | 211 (18.4) | <0.001 |

# 1st treatment

| | HoHEF N (%) | CHEF N (%) | iSHPS N (%) |
|---|---|---|---|
| **Sought care at** | | | |
| Health centre | 34 (8.3) | 130 (29.0) | 559 (48.7) |
| Public hospital | 21 (5.1) | 47 (10.5) | 80 (7.0) |
| Private facility | 209 (50.8) | 161 (36.0) | 337 (29.3) |
| Non-medical | 147 (35.8) | 110 (24.6) | 172 (15.0) |
| *Total who went public* | *55 (13.4)* | *177 (39.5)* | *639 (55.7)* |
| **Use of IDPoor card** | | | |
| Health centre | 19 (55.8) | 121 (93.0) | 422 (75.4) |
| Hospital | 9 (42.8) | 29 (61.7) | 40 (50.0) |
| *Public facility* | *28 (50.9)* | *150 (84.7)* | *466 (72.9)* |
| **Distance to provider in km** | | | |
| Health centre | 1.7 | 2.9 | 3.1 |
| Public hospital | 18.5 | 30.2 | 16.4 |
| Private facility | 6.1 | 13 | 5.3 |
| Non-medical | 1.4 | 3.8 | 1.7 |
| *Average per facility* | *4.2* | *8.6* | *4.1* |

# Costs 1st treatment

| | HoHEF US$ | CHEF US$ | iSHPS US$ |
|---|---|---|---|
| **Direct medical cost in US$** | | | |
| Health centre | 1.7 | 0.5 | 0.08 |
| Public hospital | 27.4 | 25.0 | 16.7 |
| Private facility | 32.1 | 30.4 | 20.5 |
| Non-medical | 3.3 | 6.4 | 3.4 |
| *Average per patient* | *19.1* | *15.1* | *7.7* |
| **Direct non-medical cost in US$** | | | |
| Health centre | 0.3 | 0.9 | 0.3 |
| Public hospital | 4.7 | 11.1 | 5.4 |
| Private facility | 0.6 | 2.6 | 1.1 |
| Non-medical | 0.14 | 1.1 | 0.14 |
| *Average per patient* | *0.6* | *2.6* | *0.9* |
| **Average total cost in US$** | **19.7** | **17.7** | **8.6** |
| Initiates care at public facilities | 13.4 | 10.6 | 3.1 |
| Initiates care at private facilities | 20.6 | 22.5 | 15.5 |

# 2nd treatment

| | HoHEF N (%) | CHEF N (%) | iSHPS N (%) |
|---|---|---|---|
| **Went for 2nd treatment** | **51 (12.4)** | **66 (14.7)** | **248 (21.6)** |
| Those who initiated care at public facility | 7 (12.7) | 32 (18.1) | 146 (22.8) |
| at private provider | 29 (13.9) | 14 (8.7) | 74 (22.0) |
| at non-medical provider | 15 (10.2) | 20 (18.2) | 28 (16.3) |
| **Sought care for 2nd treatment at** | | | |
| Health centre | 3 (5.9%) | 15 (22.7) | 72 (29.0) |
| Public hospital | 6 (11.8) | 9 (13.6) | 28 (11.3) |
| Private facility | 23 (45.1) | 19 (28.8) | 116 (46.8) |
| Non-Medical | 19 (37.3) | 23 (34.8) | 32 (12.9) |
| *Proportion going to a public facility* | *(17.6)* | *(36.4)* | *(40.3)* |

# Costs 2nd treatment

| | HoHEF US$ | CHEF US$ | iSHPS US$ |
|---|---|---|---|
| **Direct medical cost** | | | |
| Health centre | 0.50 | 0.01 | 0.23 |
| Public hospital | 16.9 | 9.5 | 3.6 |
| Private facility | 9.2 | 10.4 | 13.3 |
| Non-Medical | 2.7 | 1.8 | 3.3 |
| *Average per patient who sought 2nd treatment* | *7.2* | *4.9* | *7.2* |
| **Direct non-medical costs** | | | |
| Health centre | 0.3 | 0.8 | 0.3 |
| Public hospital | 3.6 | 4.6 | 4.3 |
| Private facility | 0.9 | 1.2 | 1.0 |
| Non-Medical | 0.3 | 0.0 | 0.5 |
| *Average per patient who sought second treatment* | *1.0* | *1.1* | *1.0* |
| Total cost 2nd treatment per patient who sought care | 8.2 | 6.0 | 8.2 |

# Total cost

| | HoHEF US$ | CHEF US$ | iSHPS US$ |
|---|---|---|---|
| Overall cost per patient who sought care | 20.7 | 18.6 | 10.3 |
| Of which treatment costs (% of total) | 19.9 (96.4) | 15.9 (85.1) | 9.3 (89.6) |
| Of which transport costs (% of total) | 0.7 (3.6) | 2.8 (14.9) | 1.1 (10.4) |

# In Summary

- Multiple interventions address various access barriers to public health facilities
  - 13% (HoHEF) – 40% (CHEF) - 56% (iSHPS)

- Inclusion health centres aids in initiating care at public health facilities
  - @health centre: 8% (HoHEF) – 29% (CHEF) – 49% (iSHPS)
  - @hospital: 5% - 11% - 7%

- Initiates **public** -1st treatment total costs
  - $13.4 (HoHEF) - $10.6 (CHEF) - $8.6 (iSHPS)
- Initiates **private**
  - $20.6 -$22.5 -$15.5

# Community-managed HEF

# Concept

- Established at health centres

- The organizing body of a CMHEF is a **committee** composed of:
  - Religious leaders (i.e. Monks, Achaas, Imams)
  - Village Health Support Group members (at least one per village)
  - Local authorities from the Commune Council and Village administration
  - Service providers (health, education, agriculture)
  - Local association leaders
  - Active community members

- Within each committee, **3 sub-groups**:
  - A Group of Leaders (5 to 9 persons)
  - A finance sub-committee (3 to 5 persons)
  - A feedback sub-committee (3 to 5 person)

# Concept 2

- The **CMHEF committee** responsible for
  - fundraising
  - determining benefits and eligible target populations
  - purchase of health services
  - day-to-day financial management
  - monitor health service utilization by HEF beneficiaries and other vulnerable population groups (older people, PWD, nonIDpoor poor)
  - identify locally appropriate solutions to address access barriers

# Concept 3

- At district level: **District Facilitation Team**
  - Led by the Deputy District Governor in charge for Health
  - Comprised of representatives of Cult and Religion, Women Affairs, Health, Education, and Planning
  - Support, advice, and follow-up CMHEFs, collection of quarterly reports for District Governor
  - Each CMHEF gives $50 annually to a district fund

# Objectives

- Assess the impact of the CMHEF on utilization of public health facilities by pre-identified poor people during activities by HEF Operators and after their cessation

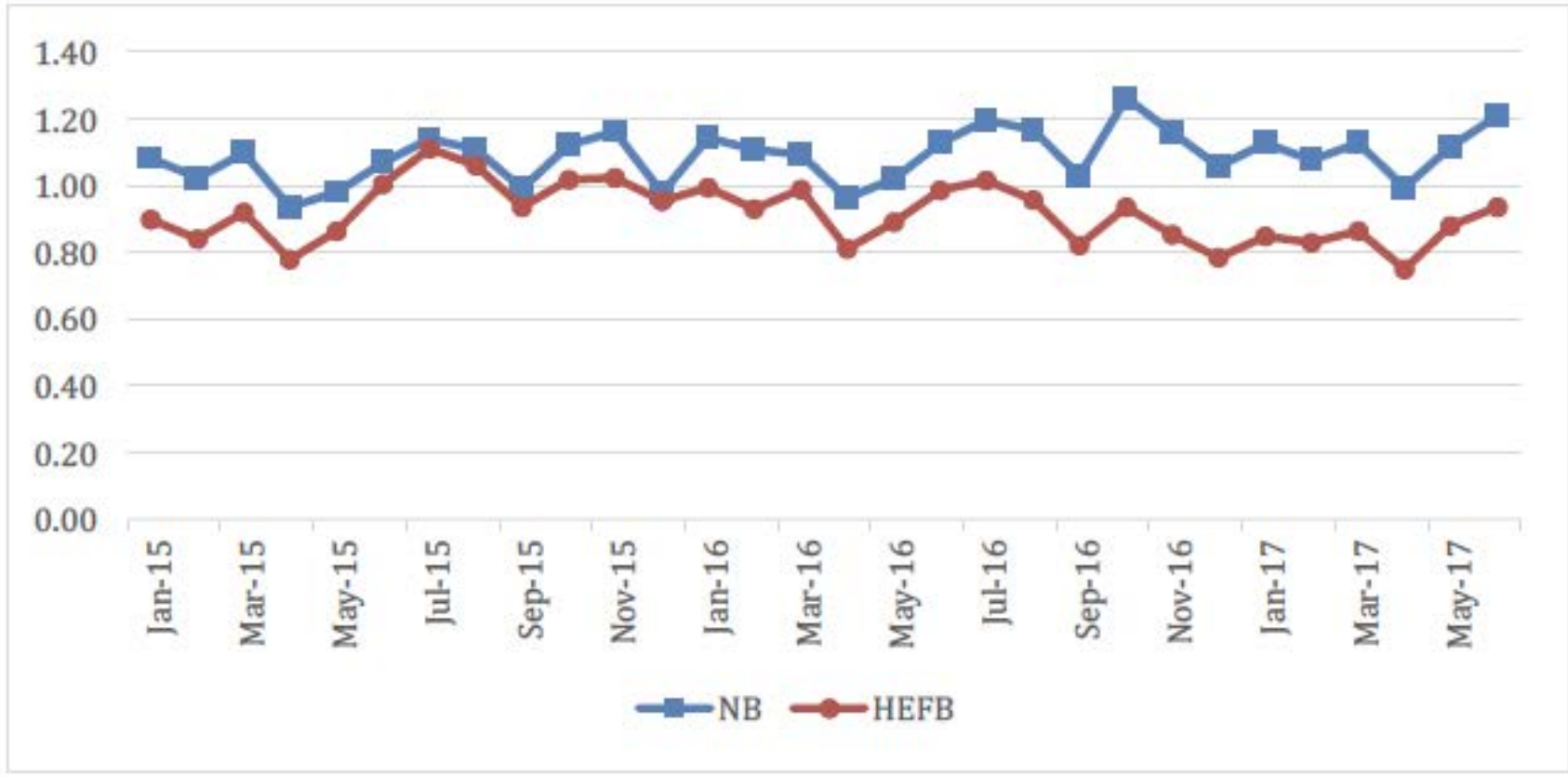
# Methods

- Period: January 2015 – June 2017

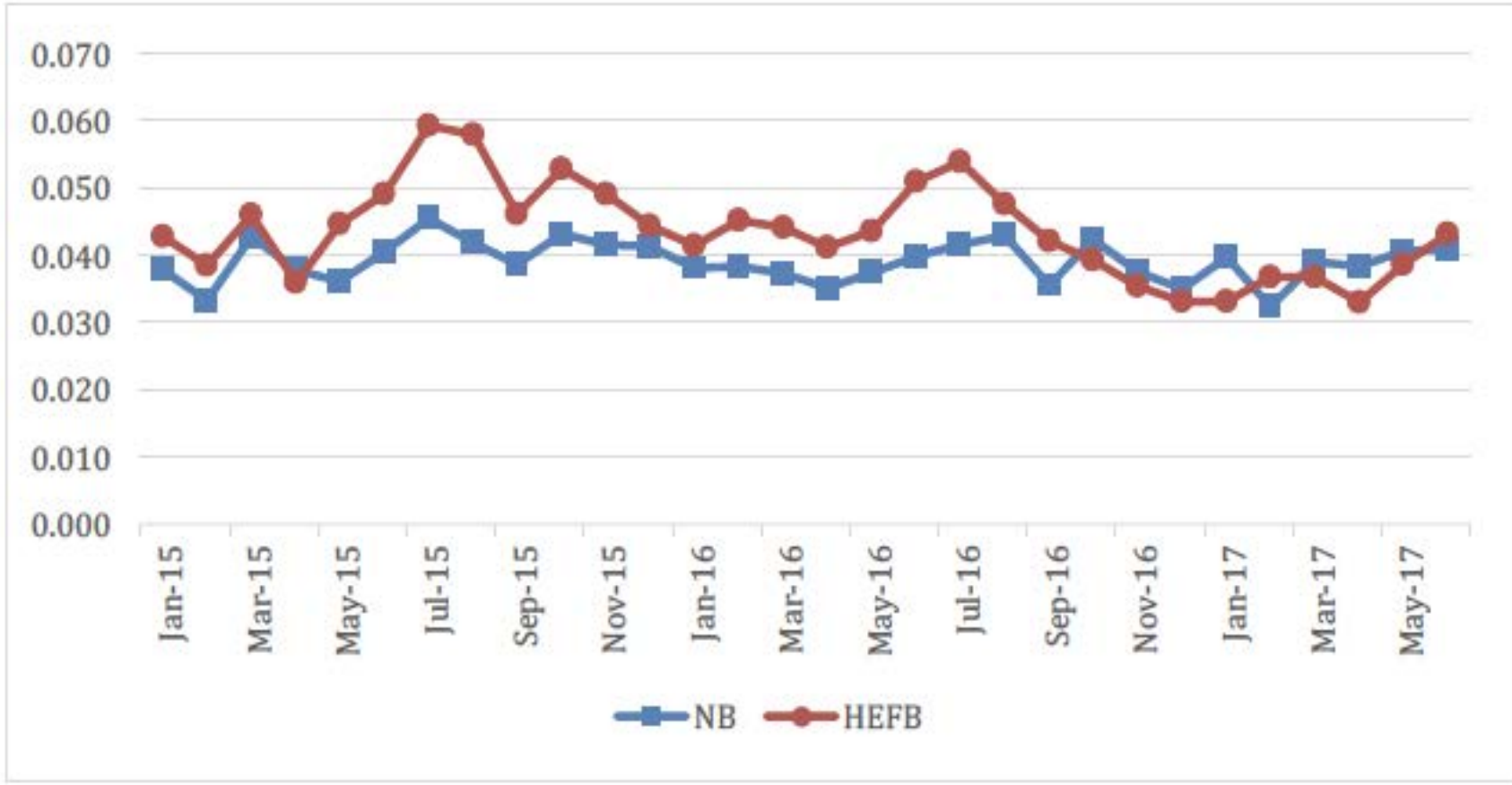
- Takeo Province: start in 2004, entire province 2014
  - BfH HEF operator till June 2016; afterwards no support
  - IPD (no provincial hospital) and OPD **–HEFB and NB**

- USAID-supported provinces
  - BfH technical advise to HEFO till June 2016
  - Afterwards technical advise to CMHEF Committees
  - 3 districts with CMHEF; 3 without **–HEFB only**

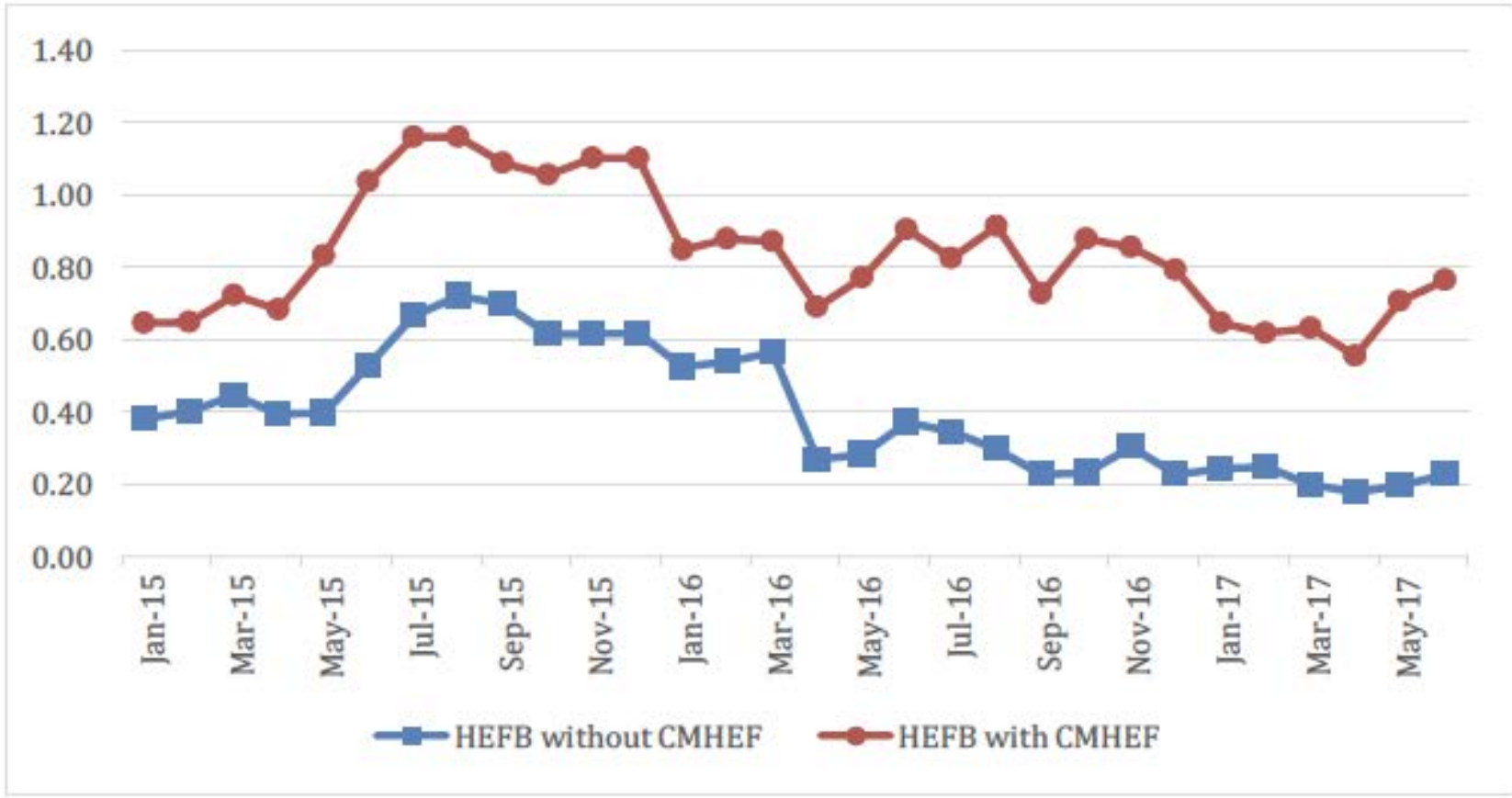
# Results –Takeo: OPD NB vs HEFB



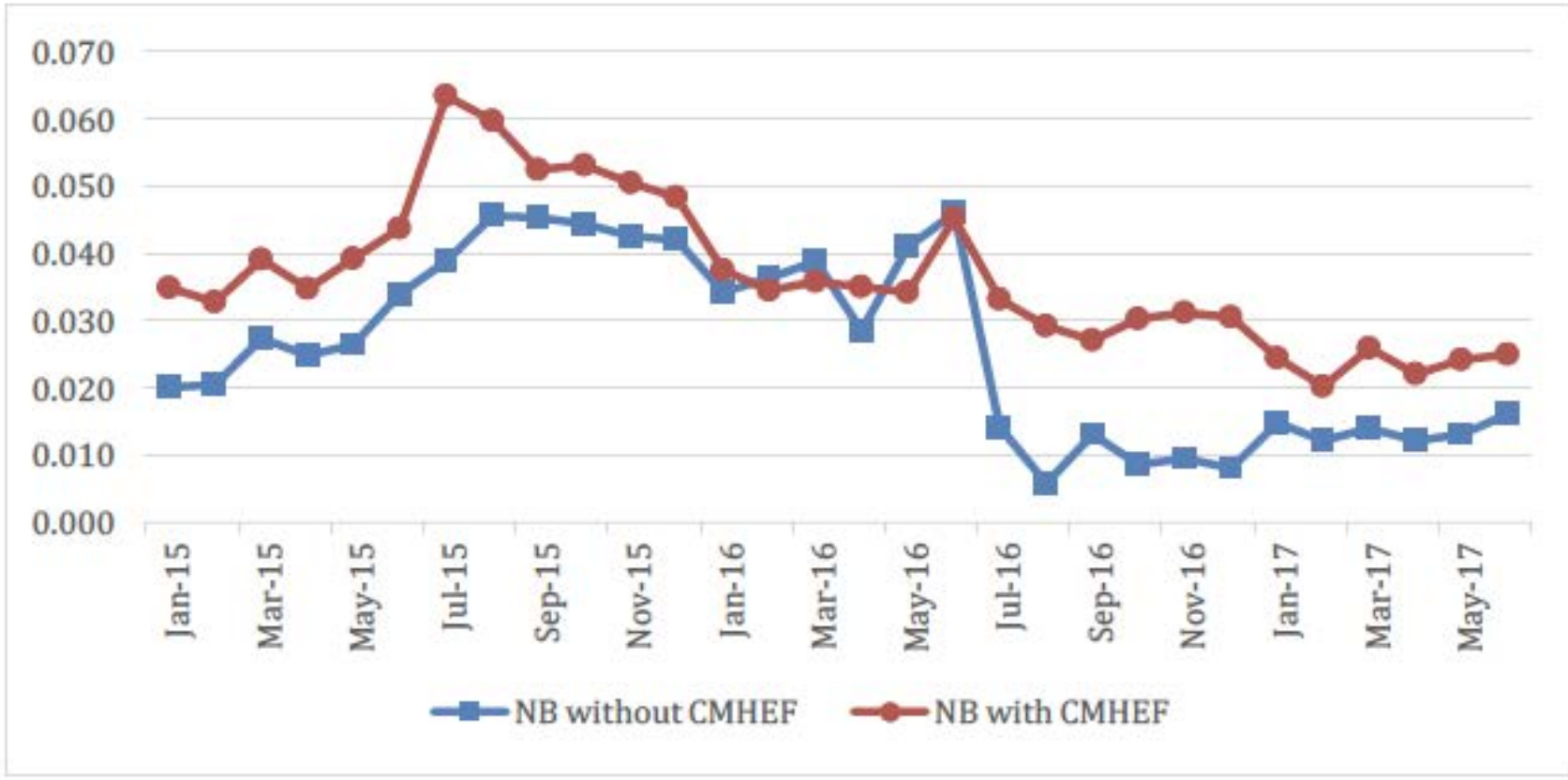
# Takeo –IPD NB vs HEF



# New provinces –OPD CMHEF vs HEF



# New provinces –IPD CMHEF vs HEF



# In other words (and summary)

| | Outpatient consultations (per capita per annum) | | | Inpatient admissions (per 1,000 HEFB) | | |
|---|---|---|---|---|---|---|
| | 30 months | < July '16 | >June '16 | 30 months | < July '16 | >June '16 |
| **Initial Province** | | | | | | |
| CMHEF | 0.92 | 0.94 | 0.87 (-7%) | 44 | 46 | 39 (-15%) |
| **New Provinces** | | | | | | |
| CMHEF | 0.83 | 0.90 | 0.74 (-18%) | 37 | 43 | 27 (-27%) |
| Conventional HEF | 0.40 | 0.50 | 0.24 (-48%) | 26 | 35 | 12 (-66%) |


THANK YOU
FOR
LISTENING