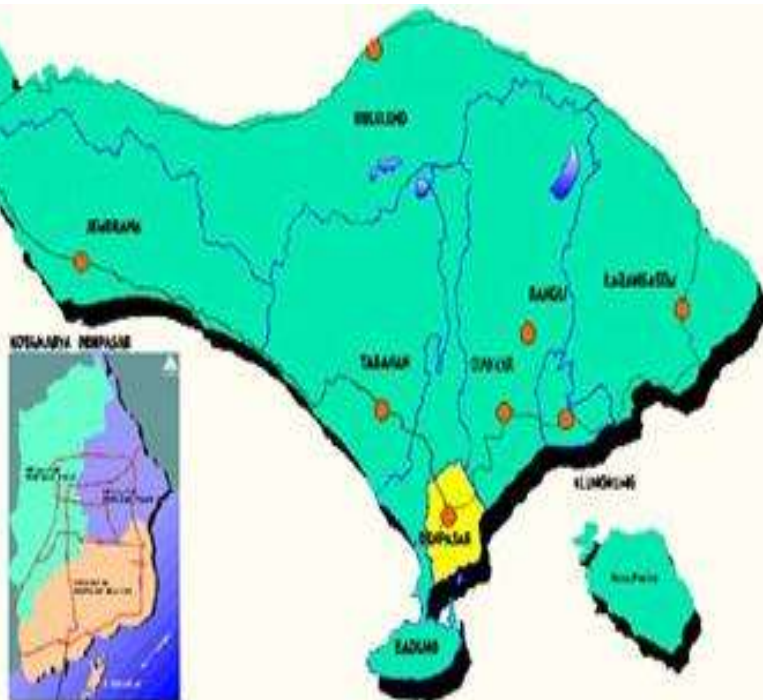


# The Implementation of *Kader Desa Peduli* *AIDS* Program in Bali: What Lessons Can be Learned?

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# Outline

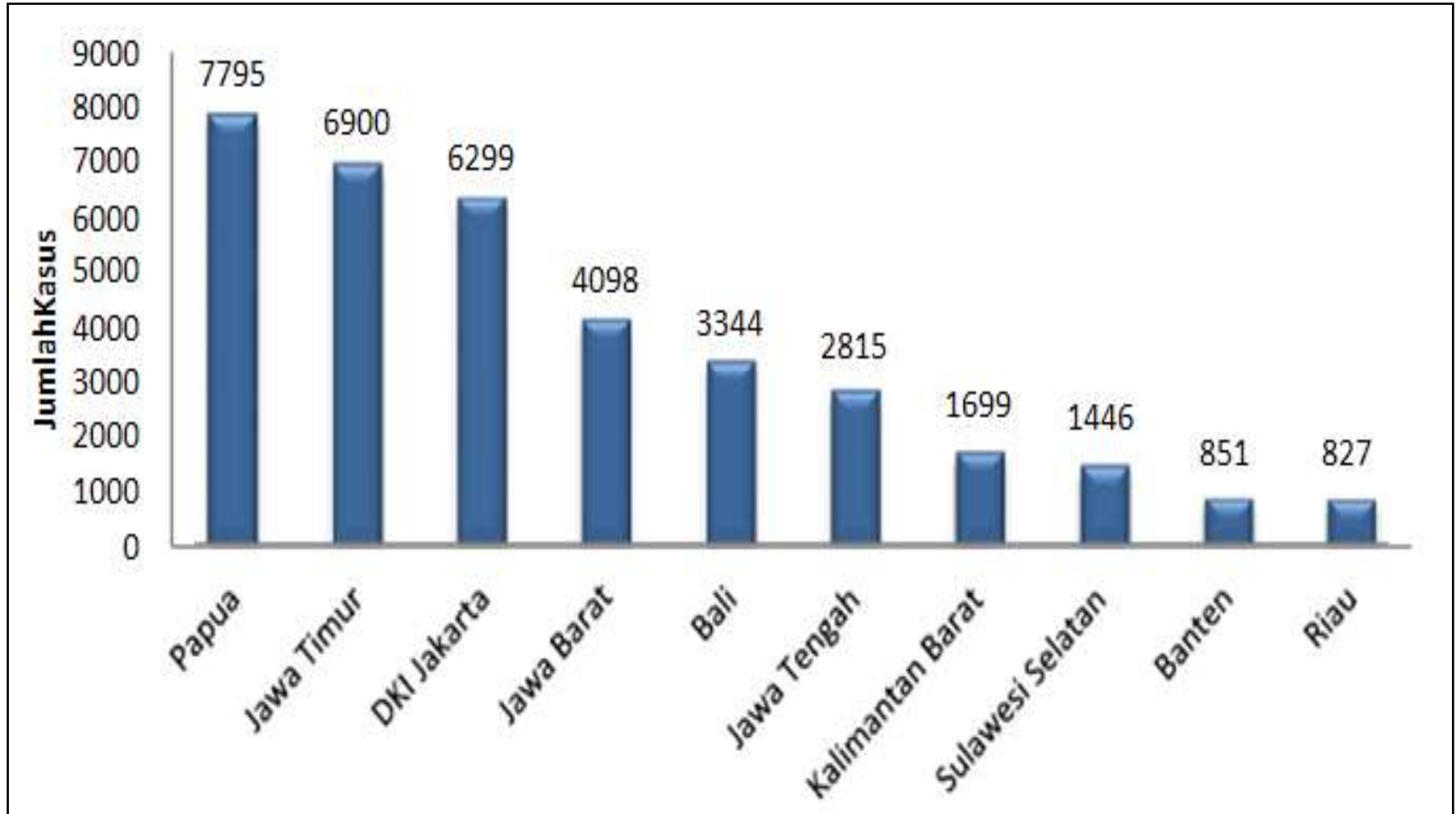
- Background
- Evaluation methods
- Results
- Recommendations



# Background



# Ten Provinces with Highest AIDS Total Cumulative Cases Year 1987-2012

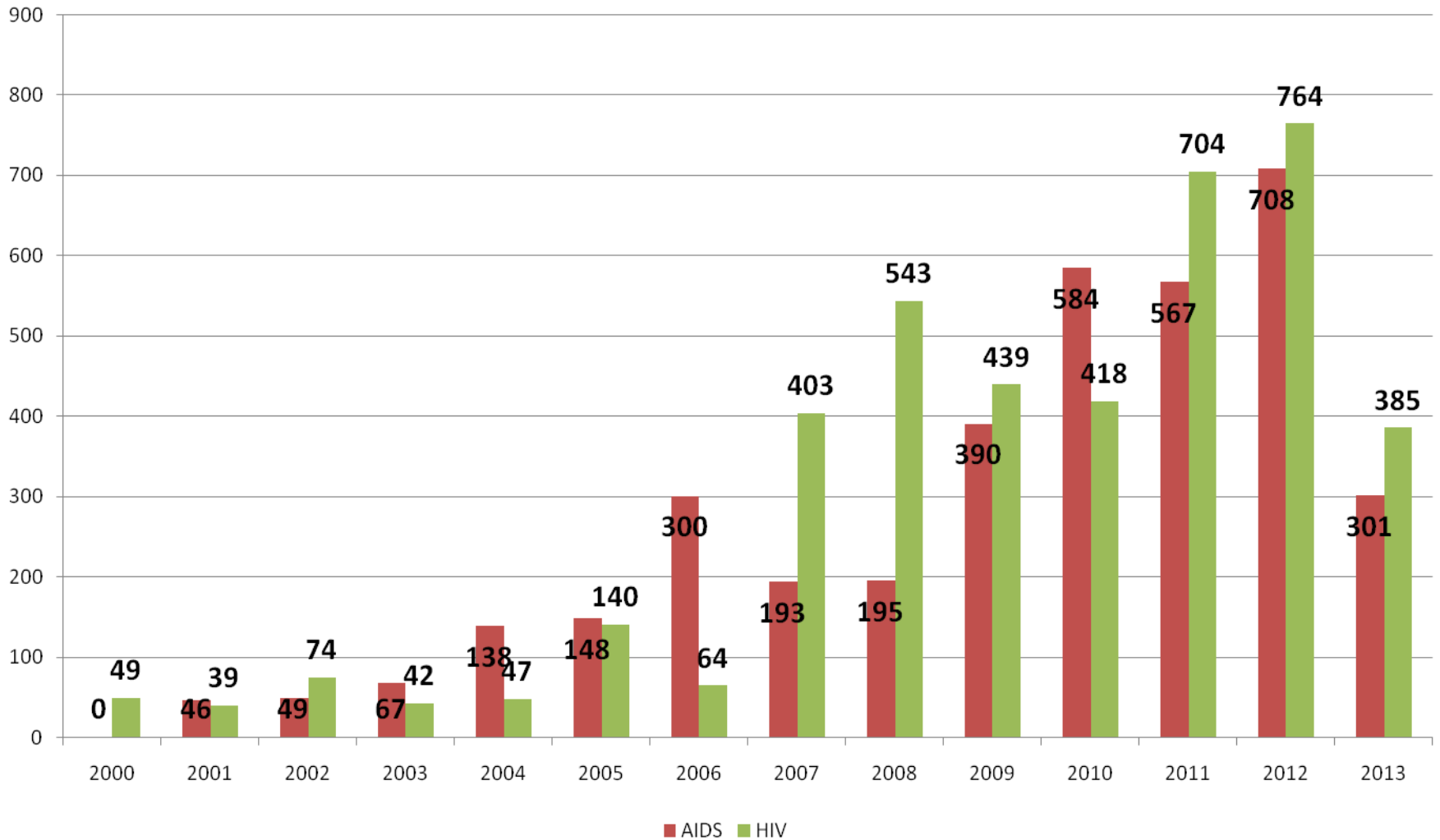


Source: Bali rovincial Health Office, 2012

# THE SITUATION OF HIV&AIDS IN BALI PROVINCE

Source: Bali Provincial Health Office (2013)

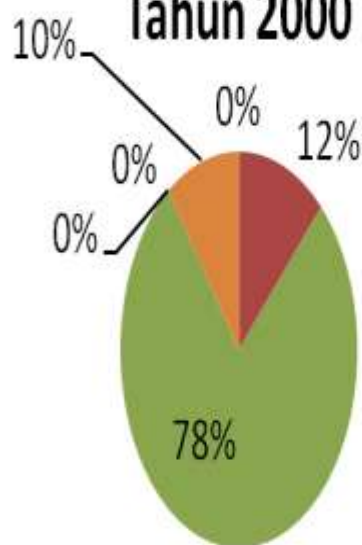
## Distribusi Kasus HIV-AIDS Provinsi Bali 2000 sd 2013



# The HIV & AIDS Situation in Bali Province

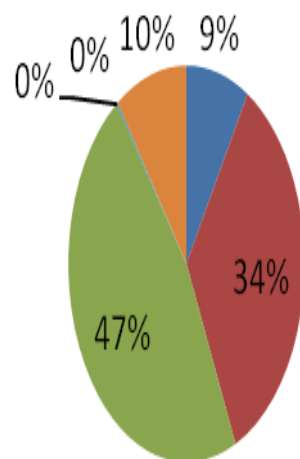
Source: Bali Provincial Health Office, 2013

## Tahun 2000



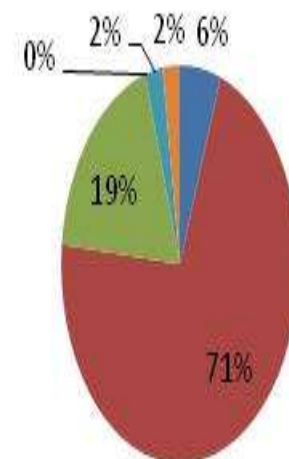
- Homo/Bisek
- Heterosex
- IDU
- Tranfusi darah
- Waria
- Tak Diketahui

## Tahun 2005



- Homo/Bisek
- Heterosex
- IDU
- Tranfusi darah
- Perinatal
- Tak Diketahui

## Tahun 2010



- Homo/Bisek
- Heterosex
- IDU
- Tranfusi darah
- Perinatal
- Tak Diketahui

# Background

- Increasing rate of HIV infection in pregnant women and babies → generalized epidemic???
- Uncontrollable growth of commercial sexual business
- Many efforts targeting high risk populations (e.g. FSWs) → ineffective → other approaches???
- Interventions targeting general population

# What is KDPA program?

- A community health worker (CHW) program
- Community leaders as agent of changes
- Managed by district AIDS commissions
- Funding: district budget & expenditure, donors (Global Fund), village budget & expenditure

Source: Bali Provincial AIDS Commission (2011)<sup>3</sup>





# KDPA Program

- Cadres receive training on HIV
- Cadres are expected to be able to:
  - spread the knowledge of HIV&AIDS to the community;
  - clarify misperceptions regarding HIV & AIDS;
  - identify high risk behavior;
  - channel suspected HIV cases to VCT & CST services ;
  - provide support for PLWHA in community.

Source: Bali Provincial AIDS Commission (2011)<sup>3</sup>

# Evaluation objectives

- Determine whether and to what extent:
  - program has reached its targeted population
  - program is being implemented as planned,
  - key stakeholders have been engaged in program implementation
  - program can be sustained
- Identify supporting & inhibiting factors of program implementation
- Determine the short term effectiveness of the program

# Evaluation Methods



- Mixed methods- quantitative & qualitative
- Quantitative method:
  - Small telephone survey to 43 villages
  - Secondary quantitative data (database of cadres)
  - Data analysis: Microsoft excel
- Qualitative method:
  - In-depth interviews to 10 cadres & 2 program staff
    - Non probability (convenience) sampling
    - Semi-structured interview
    - Duration: 40 to 60 minutes
  - Data analysis: thematic analysis

# Results



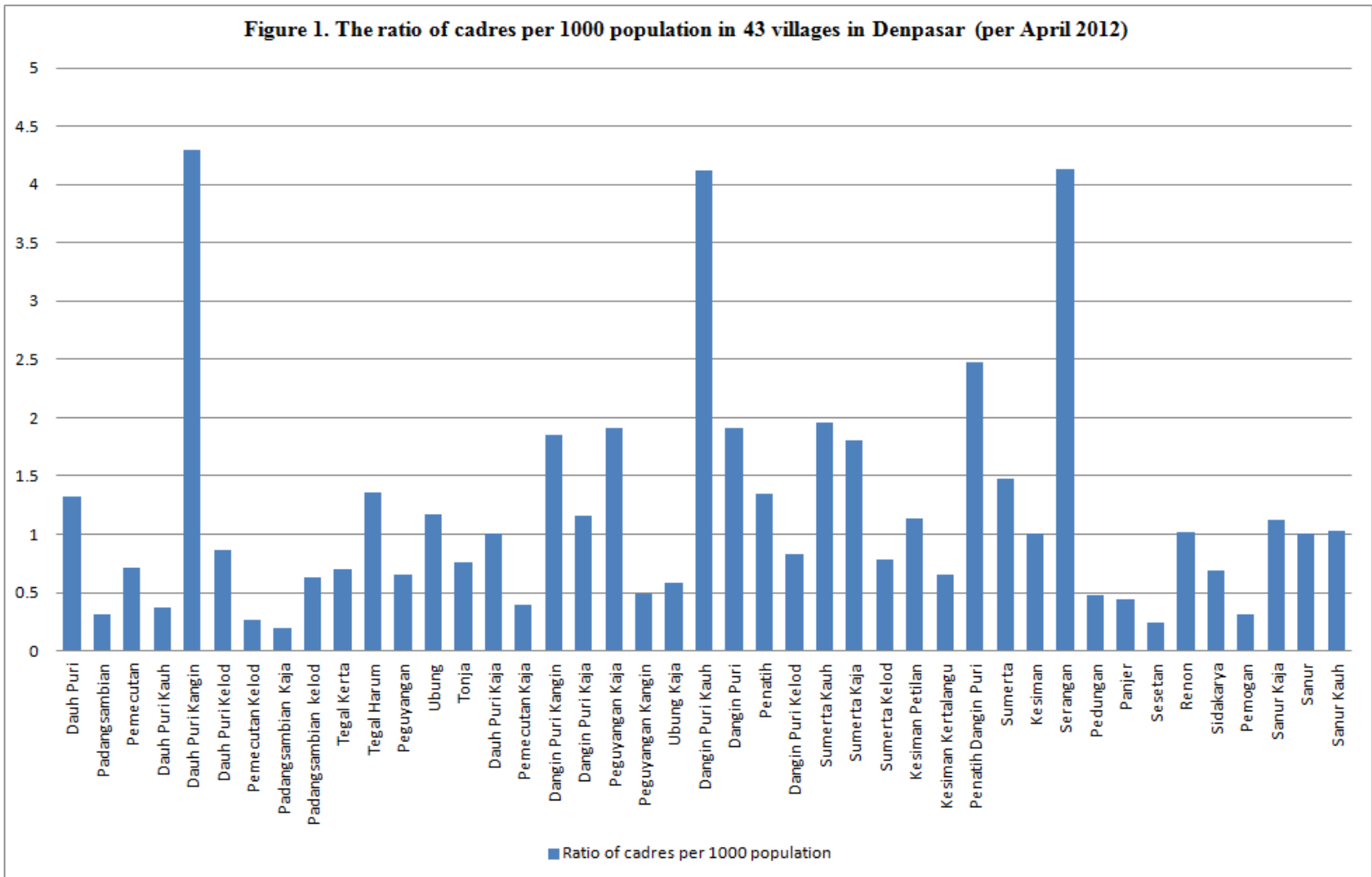
# Program Reach



- All 43 villages in Denpasar have trained cadres
- 598 cadres (70 % male cadres)
- Most villages did not have trained youth cadres
- Cadres recruitment by appointment (not voluntary)
  - Recruitment considerations:
    - Convenience, capability, cooperativeness, no incentives
- 52% of villages have had KDPA decree

# Program Reach

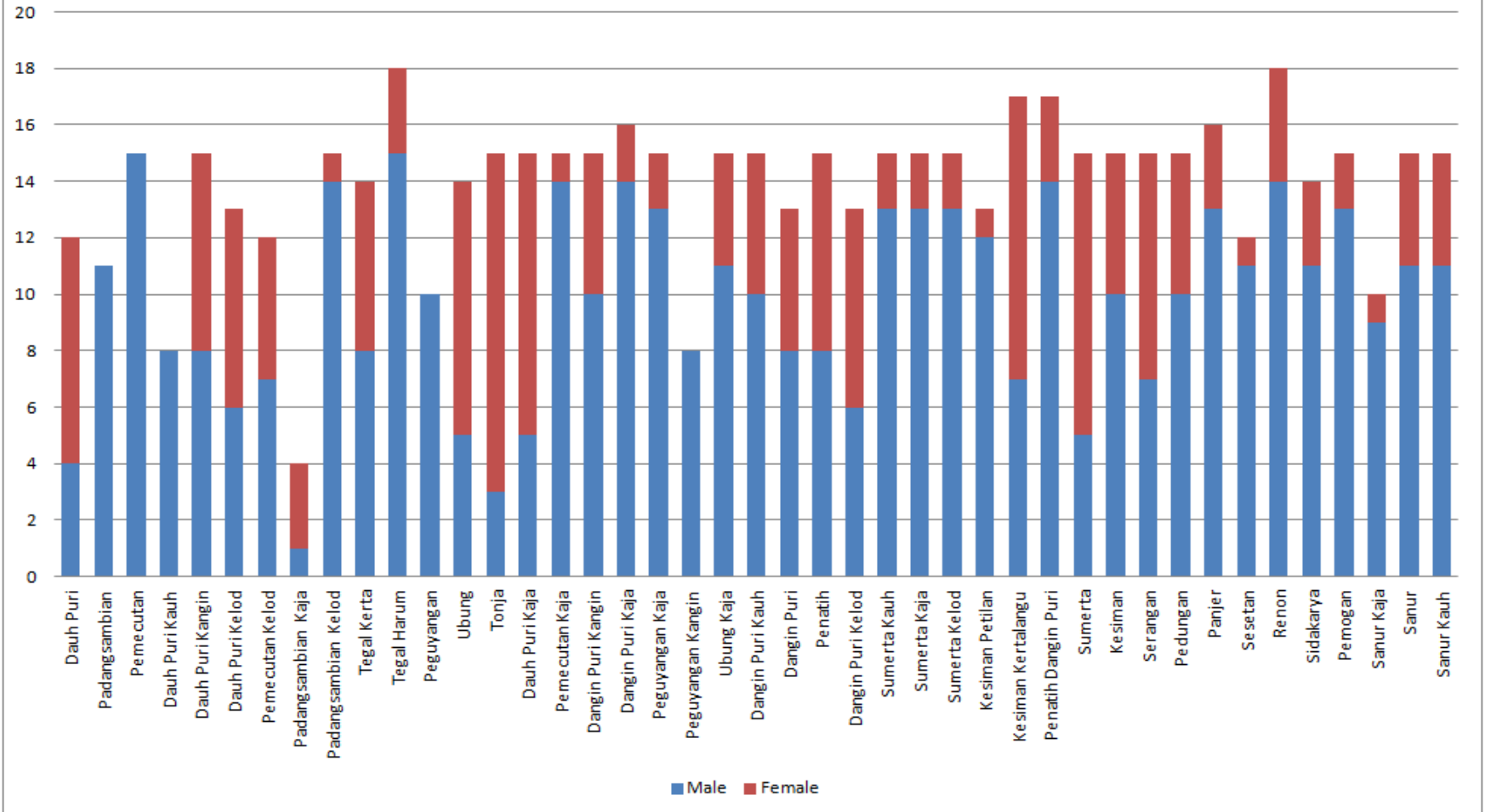
Figure 1. The ratio of cadres per 1000 population in 43 villages in Denpasar (per April 2012)



Source: Database of KDPA program (Denpasar District AIDS Commission 2012)

# Program Reach

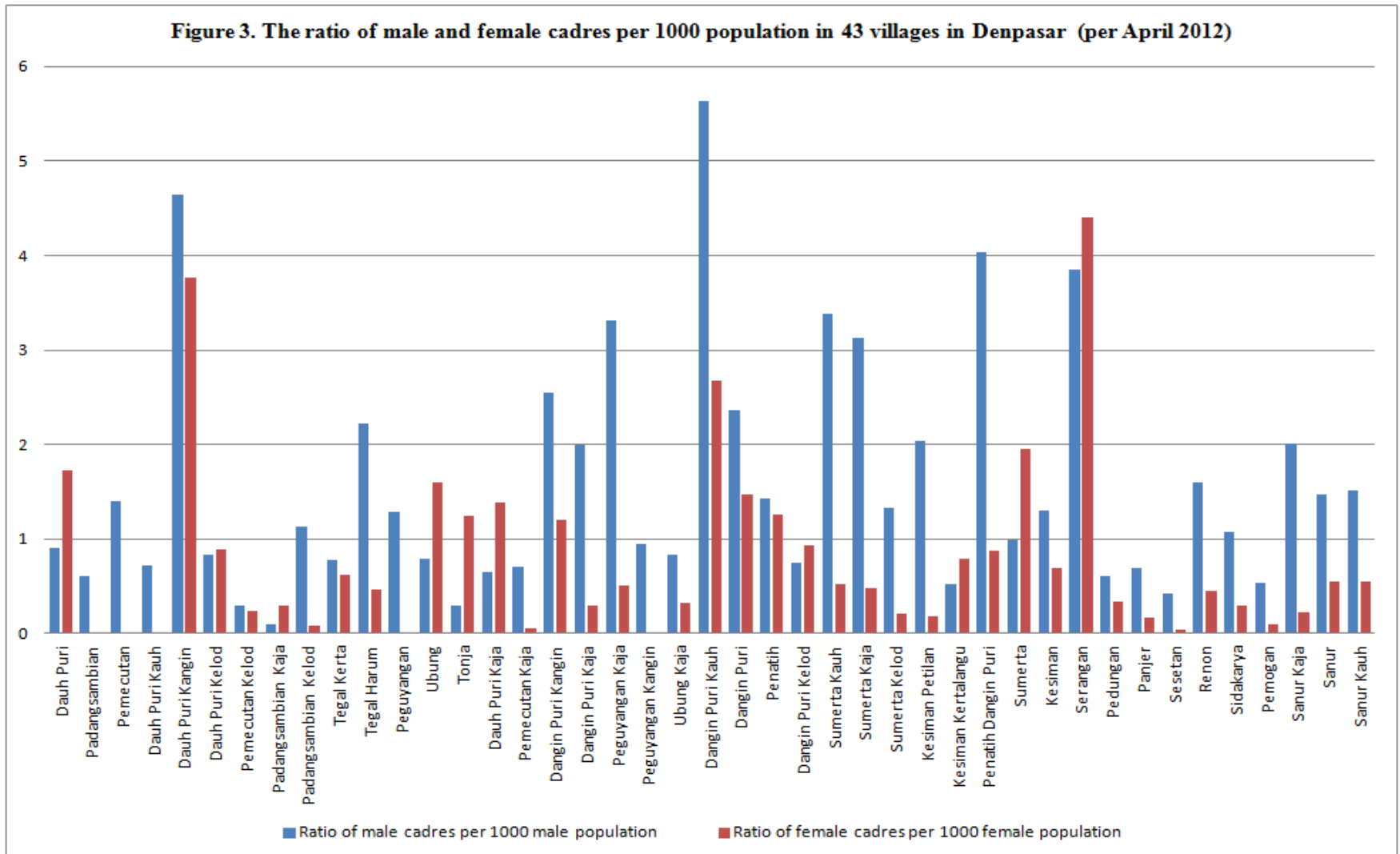
Figure 2. The proportion of female and male cadres on 43 villages in Denpasar (per April 2012)



Source: Database of KDPA program (Denpasar District AIDS Commission 2012)

# Program Reach

Figure 3. The ratio of male and female cadres per 1000 population in 43 villages in Denpasar (per April 2012)



Source: Database of KDPA program (Denpasar District AIDS Commission 2012)



# Program Effectiveness

- Cadres' knowledge improvement regarding mode of transmission, signs and symptoms, and also referral and treatment of HIV
- Cadres' awareness & attitude improvement towards HIV

*“ I feel inspired (to participate) as I am a cadre. Before being a cadre I don't care whether other people will be contracted (by HIV) or not, the important thing was I am not involved in any risky behavior. But now, I cannot be that careless.”*

(Male, 46yrs, head of KDPA)

## Appropriateness & acceptability

- Existence of KDPA not widely known in some villages due to lack of socialization
- Considered appropriate to local HIV situation
- No negative reactions from community
- Sex education on HIV prevention is not taboo but inappropriate across different sex groups

# Implementation

- About 44% villages have conducted HIV prevention activities
- Cadres were simply event coordinators.
  - Lack of confidence due to superficial knowledge
  - Non medical background
- Underutilization of cadres due to fear of status disclosure and shame

“There are some (HIV) cases here but they are afraid to ask for assistance because they know me as the wife of head of hamlet. They are afraid of being reported...”

(Female, 38 years old, KDPA member)

# Incentives

- Cadres received no salary but;
  - Travel allowances, T-shirt, knowledge
- Program staff: unavailability to provide incentives disables reinforcement of program implementation
- Disincentives:
  - Lack of supervision and monitoring
  - Lack of capacity building

# Supervision & monitoring

- Inadequate human resources to match workloads
  - limited supervision & monitoring
- No routine reporting of cadres' activities
- No predetermined evaluation indicators or explicit program-logic
- Poor data management system

# Supporting Factors

- Strong commitment of Denpasar district government & DAC staff

"We salute Denpasar AIDS committee because they can make it (health education session) even when we asked them just a day before."

(Male, 41 years old, head of KDPA)

- Strong collaboration with local based NGOs (KPF, CUIF)
- Committed & influential cadres

# Inhibiting Factors

- Limited human & financial resources
- Many inactive cadres
  - Lack of commitment to do voluntary work
  - Busy activities
  - Caused by weak recruitment process
- Lack commitment of head of villages
- Busy urban community and community's ignorance

# Adoption & Maintenance

- KDPA program has not been being a part of villages' core businesses
- Villages rely on stimulant fund from DAC
- Only minorities of sample villages have allocated their village budget and expenditure for HIV prevention activities
  - Complex administrative procedures



# Recommendations

- Developing logical framework with more reasonable expectations
- Recruitment process should consider:
  - Population demographics e. g. sex/age groups
- Incentives should be improved
  - Monitoring & supervision, trainings
  - In-kind payment
- A clear monitoring and evaluation framework should be developed



# Recommendations

- Improved community awareness of KDPA
- Integrated data management system
- Enhanced advocacy to key stakeholders for increased sourcing of program resources
- Further research on community's perspective towards KDPA

*Thank You*



PEDWALI AIDS

# References

1. Directorate General CDC & EH, *Cases of HIV/AIDS in Indonesia. 2010, Ministry of Health Republic Indonesia* Jakarta.
2. Bali Provincial AIDS Commission, *Cumulative cases of HIV and AIDS in Bali (1987-March 2010). 2010, Bali Provincial AIDS Commission: Denpasar.*
3. Bali Provincial AIDS Commission, *Review of KDPA Program. 2011, Bali Provincial AIDS Commission Denpasar.*
4. Owen, J.M., ed. *Program Evaluation: Forms and Approaches 3rd ed. 2006, Allen & Unwin: NSW.*
5. Kellogg, W.K. *W.K. Kellogg Foundation: Logic Model Development. 2004 [cited 2011 1 November]; Available from: <http://www.wkkf.org/knowledge-center/resources/2006/02/WK-Kellogg-Foundation-Logic-Model-Development-Guide.aspx>.*
6. Ovretveit, J., ed. *action Evaluation of Health Programmes and Changes: A handbook for a user-focused approach. 2002, Radcliffe Medical press Oxon.*
7. McKenzie, R., et al., *Targeting what matters in health promotion evaluation; Using the RE-AIM approach to identify success in real-world settings. Evaluation journal of Australasia, 2007. 7(1): p. 19.*
8. WHO, *Community health workers: What do we know about them?The state of the evidence on programmes, activities, costs and impact on health outcomes of using community health workers. 2007, World Health Organization: Geneva.*
9. Schneider, H., H. Hlophe, and D. van Rensburg, *Community health workers and the response to HIV/AIDS in South Africa: tensions and prospects. Health Policy and Planning, 2008. 23(3): p. 179-187.*
10. Lehmann, U. and D. Sanders, *Community health workers: What do we know about them? The state of the evidence on programmes, activities, costs and impact on health outcomes of using community health workers. 2007, World Health Organization: Geneva.*
11. Witmer, A., et al., *Community health workers: integral members of the health care work force. American Journal of Public Health, 1995. 85(8 Pt 1): p. 1055-1058.*
12. Haines, A., et al., *Achieving child survival goals: potential contribution of community health workers. The Lancet, 2007. 369(9579): p. 2121-2131.*

# References

13. Mukherjee, J.S., *Community health workers as a cornerstone for integrating HIV and primary healthcare*. *AIDS Care*, 2007. **19**(sup1): p. 73.
14. Farmer, P., *Community-based treatment of advanced HIV disease: introducing DOT-HAART (directly observed therapy with highly active antiretroviral therapy)*. *Bulletin of the World Health Organization*, 2001. **79**(12): p. 1145.
15. Lewin, S., Dick, J., Pond, P., Zwarenstein, M., Aja, G., Van Wyk, B., Bosch-Capblanch, X. and Patrick, M. (2008) 'Lay health workers in primary and community health care for maternal and child health and the management of infectious diseases', *The Cochrane Collaboration*, (3), 1-105.
16. Love, M.B., K. Gardner, and V. Legion, *Community Health Workers: Who they are and What they do*. *Health Education & Behavior*, 1997. **24**(4): p. 510-522.
17. Kelly, J. A. (2004) 'Popular opinion leaders and HIV prevention peer education: resolving discrepant findings, and implications for the development of effective community programmes', *AIDS Care*, **16**(2), 139-150.
18. Greene, J.C., L. Benjamin, and L. Goodyear, *The Merits of Mixing Methods in Evaluation. Evaluation*, 2001. **7**(1): p. 25-44.
19. Bowling, A., ed. *Research methods in health: investigating health and health services. ed. S. edition. 2002, Open University Press: New York 378-87.*
20. Mitchell, K., *Community-based HIV/AIDS education in rural Uganda: which channel is most effective?* *Health Education Research*, 2001. **16**(4): p. 411.
21. Bhattacharyya, K., Winch, P., LeBan, K. and Tien, M., eds. (2001) *Community Health Worker Incentives and Disincentives: How They Affect Motivation, Retention, and Sustainability, Arlington, Virginia: BASICS II.*