Patient Safety Dimension in Primary Health Care Padang City

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Abstract— Primary health care (PHC) in Padang, Indonesia has a significant barrier to assessing risk reduction strategy, due to difficulties in identifying medical errors and adverse events. It is thought that patient safety initiatives can be framed within a public health model of prevention, but the initiative has not been implemented yet. Our presentation focus on examine the dimensions of patient safety systems in PHC. We conducted a qualitative study, by focus group discussions and in-depth interviews among of doctors, nurse, midwife, pharmacy officer analysts and medical record officers with total of 13 participant. We asked open-ended questions about their perceptions include predefined categories were: understanding of health personnel about patient safety, implementation of patient safety in primary health care, dimensions that appropriate in patient safety. Data analyses used a content analysis technique. Our study showed that most workers in health centers did not understand the concept and definition of patient safety. There were no modules and guidelines. It concluded that the PHC need five dimensions for implementations of patient safety systems.

Keywords— Patient safety, primary care, dimension, medical errors, adverse event

I. INTRODUCTION

Patient Safety is a serious global issue since the report from Institute of Medicine (IOM) in 2000 that made many countries realized that the issue of patient safety has been the central issue and a new agenda in many countries [1-3]. Patient safety is an issue that comes out of the hospital setting. [4-6] The issue of patient safety in primer health center start exposed in recent years. [7, 8]

Based on the IOM report, found adverse event 2.9% where 6.6% died. While in New York by 3.7% where 16.6% died. For the entire US, mortality due to adverse event in hospitalized patients amounting to 33.6 million per year. [2, 9] In Indonesia, adverse event report on Medical Care and Nursing Ministry of Health reached the 289 report until February 2016. [10] Adverse event cases in primary service varies from 0.004 to 240 per 1,000 consultations.[11] The current study conducted in primary service found that adverse event often related to administrative issues and documentation, [11], [12] diagnoses of disease and prescription of drugs, [13], [14] cooperation and communication between health workers,[13], [15], [16] reporting and monitoring [12], [17].

Aspects of patient safety in health centers appeared as part of the Health Minister Regulation number 75 of 2014 on Standards for Accreditation of Public Health Center (CHC). At the end of 2017 all health centers in Indonesia must have been accredited.[18], [19] Readiness of public services in the new health center reached 71% and service of non-communicable diseases has reached 79%. Only 24% of health centers who could implement all components of the diagnosis [10].

Until now, the report of patient safety incidents in CHC and the health department has been not found, that made the lack of knowledge about the magnitude of the problems faced. But the news that appeared in the local newspaper about the malpractice incident shows that the problem of patient safety occured in CHC. This study aim to examined the dimensions of patient safety that is suitable for patient safety systems in CHC.

II. MATERIALS AND METHODS

This study using qualitative approaches, and in-depth semistructured interviews which were suited to exploratory aims of the study. 13 individuals participated in the study. Individuals working in Public Health Center of Seberang Padang are as general practitioner, nurse, midwives, laboran, and ministers of health employe. Interviews took place between February 2016.

Interviews were conducted by one member of the research team who had previous training in interviewing healthcare staff. Interview transcripts were subjected to a directed content analysis, a
form of thematic analysis in which some coding categories are predetermined in line with the aims of the study.

These predefined categories were: understanding of health personnel about patient safety, implementation of patient safety in public health centers of Seberang Padang today, dimensions that appropriate in patient safety, appropriate steps toward the patient safety, and target that appropriate for patient safety has resulted in public health centers.

Transcripts were coded by one member of the research team. Any other relevant statements were given new codes at this stage, which culminated in the final coding framework. The coded data were investigated for relationships which approaches.

Research ethics. The study received ethical clearance from the committee ethics of Faculty of Medicine, Universitas Andalas Indonesia. We contact and told informan about inform before the interviews. Verbal informed consent from the participants was audio recorded, also we ask informan handwriting in the inform consent. We kept anonymity during data analysis and presentation.

III. RESULT

Total of 13 people participated in this study, consisting of doctors, nurse, midwife, pharmacy officer analysts and medical record officers. The average age of the informant was 43 years with youngest age was 30 years old and the oldest 52 years old. The average length of working experience was 13.5 years with a variety from 2 years to 22 years.

Less than half of the respondents did not know about patient safety in health centers, some informants interpreted it as providing good health services without any errors. All informants claimed that there were no modules and standard operating procedures (SOP) of patient safety in the CHC yet, but some informants said SOP already exist can be used as guidelines for the implementation of patient safety. For socializing, there were no workshops and formal training on patient safety at CHC yet, but two informants attended training patient safety in hospitals.

All over the place and the health programs at the CHC must pay attention to the patient safety. Most informants stated that everyone in the health center is the person in charge for patient safety, but others said the one with got the letter of assignment is responsible. If incident of patient safety accured, generally informants said that they must report. Generally, informants said there was support from officemates in reporting. A small number of informants said that they got a negative response from the head of management when reporting. Almost all of the informants said that there was no follow-up in most of patient safety incidents case yet, but the chronology and the one who should be responsible for the case always seeked in every incident that occured.

Prevention infection which is part of patient safety has been carried out in health centers by almost all informants. The socialization about the medication to the patients is the responsibility of the doctor and the pharmacy officer based on some informants. While information about maintenance is the responsibility of doctors and nurses.

All informants said that the dimension corresponds to the patients safety in the CHC include awareness, commitment, ability to identify risk factors, compliance of reporting incidents. In addition, two informants added dimension of competency of health officer as one of the dimensions that must be considered for patients safety in health centers.

IV. DISCUSSION

From the characteristics of the respondents, the average of respondents had worked more than 10 years so that it counts all the informants understand and applied out the job descriptions of each well. But from depth interview turned out to be largely informants still did not know the definition of patient safety. Informants believe that patient safety is limited to the provision of health services that are
safe for the patient. According to the informant, safety incidents includes only adverse event, Sentinel event (adverse event that caused death or of serious injury). While the incidence of patient safety include Near Miss (incidents that are not yet exposed to the patient; Not Injured (incident has been exposed to the patient, but the patient does not arise injuries) and Potential Injuries (events that could potentially cause injury) not included in the incidents of patient safety and not to worry about. in accordance with the definition of patient safety from Comittee Patient Safety Hospital Indonesia that patient safety is a system of that prevent adverse event as a result of actions taken or not by trained medical or non-medical officer. [20] So although the incident has not occurred, if the process has potential of patient safety incidents it must be analyzed and fixed.

Patient safety issues have only focused on implementation and reporting in the hospital. With the national health insurance program in Indonesia carried out by PT BPJS, it require any health service to start of the first-level health facilities. This causes an increase in visits to the first-level health facilities. Increased traffic causes increased workload of health workers that increased the possibility of patient safety incidents. There are no SOP modules and patients safety in the CHC caused lack of the implementation of patient safety in the CHC, but for the prevention of infection has been carried out in the CHC, only sometimes constrained by lack of infrastructures or not available and incomplete. However, some informants claimed existing SOP could be used as guidelines for the implementation of patient safety in health centers. Socialization, workshops and formal training on patient safety in the CHC had not available yet because the patient safety is a new discourse that echoed after the health minister RI regulations number 46 in 2015 on the accreditation of health centers.[19] These regulations required all health centers in Indonesia accredited by the end of 2017 where patient safety is one point in the accreditation requirements of health centers.

Half of informants said that all health workers are responsible for the implementation of patient safety. All informants also said the implementation of patient safety must be implemented in all the rooms or health service programs. The same thing is stated in Minister Regulation No. 1691 of 2011 on the safety of patients in hospitals. [21] Data on patient safety incidents in the CHC current did not exist in the health department of Padang and health department of province. This is due to no reporting of patient safety incidents that occurred in the CHC. Although almost all of the informants stated any patient safety incidents must be reported but it is not reported as a fraction of informants not received positive support from co-workers and there were co-worker who suggested to resolve cases without reported. There was also a small portion of informants who got a negative response when reporting, that caused them not to report it.

Patient safety is a new discourse in the health centers along with the accreditation of health centers. Although there has been no clear sistem, but some implementation of patient safety activities already carried out at health centers such as infection control, information of how to take medication, procedures and actions during the treatment. However, in practice was still not running optimally for the facilities and infrastructure that does not exist or is incomplete. In addition, health centers as the first-level health facilities for logistical needs were still channeled through the health department so that when there were obstacles in logistics management in the health service will affect also the health centers.

Based upon survey of the safety of various countries there are various dimensions of patient safety, such as the Hospital Survey on Patient Safety Culture (HSPSC) states 12 dimension in a culture of patient safety, Safety Attitude questionnaires (SAQ) uses eight dimensions of patient safety, Instrument Standford (IS) uses 5 dimensions of patient safety. Dimensions of patient safety by Comittee Patient Safety Hospital Indonesia include the dimension of consciousness, dimension
of commitment, dimension of ability of risk factors identification, and dimensional compliance incident reporting. This is in accordance with the interviewee, but on the other dimensions of the above, two informants added dimension of competency of health personnel.

V. CONCLUSION

Most workers in health centers did not understand the concept and definition of patient safety. Implementation of patient safety in the health centers had no modules and guidelines. Implementation has been done in some informants based on the existing SOP. Patient safety implementation was still limited to medical personnel and any health service. Dimensions, steps and patient safety goals in the CHC is almost the same as the guidelines of patient safety in hospitals. Suggested to construct patient safety models that fit to CHC basic from dimension, step and goals of patient saty in Public Health Center

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REFERENCES

[1] C. B. Jensen, "Sociology, systems and (patient) safety: knowledge translations in healthcare policy," Sociology of health & illness, vol. 30, pp. 309-324, 2008.
[2] L. T. Kohn, J. M. Corrigan, and M. S. Donaldson, To Err is Human: Building a Safer Health System. Washington: National Academy Press, 2000.
[3] D. M. Gaba, "Structural and organizational issues in patient safety: a comparison of health care to other high-hazard industries," California Management Review, vol. 43, pp. 83-102, 2000.
[4] K. Armstrong, H. Laschinger, and C. Wong, "Workplace empowerment and magnet hospital characteristics as predictors of patient safety climate," Journal of nursing care quality, vol. 24, pp. 55-62, 2009.
[5] K. J. Armstrong and H. Laschinger, "Structural empowerment, Magnet hospital characteristics, and patient safety culture: making the link," Journal of Nursing Care Quality, vol. 21, pp. 124-132, 2006.
[6] V. Nieva and J. Sorra, "Safety culture assessment: a tool for improving patient safety in healthcare organizations," Quality and Safety in Health Care, vol. 12, pp. i17-i23, 2003.
[7] S. Kirk, D. Parker, T. Claridge, A. Esmail, and M. Marshall, "Patient safety culture in primary care: developing a theoretical framework for practical use," Quality and Safety in Health Care, vol. 16, pp. 313-320, 2007.
[8] T. Wilson, M. Pringle, and A. Sheikh, "Promoting patient safety in primary care: research, action, and leadership are required," British Medical Journal, vol. 323, pp. 583-583, 2001.
[9] E. J. Thomas, D. M. Studdert, H. R. Burstin, E. J. Orav, T. Zeena, E. J. Williams, et al., "Incidence and types of adverse events and negligent care in Utah and Colorado," Medical care, pp. 261-271, 2000.
[10] Subdit Pelayanan Medis dan Keperawatan, "Evaluasi pelaporan E-Reporting Pelaporan Insiden Keselamatan Pasien RS Sampai Februari 2016," presented at the Workshop Keselamatan Pasien di Hotel Horizon Bogor 2-4 Maret 2016, Bogor, 2016.
[11] M. Makeham, S. Dovey, W. Runciman, and I. Larizgoitia, "Methods and measures used in primary care patient safety research," World Health Organization., Geneva2008.
[12] S. L. Walston, B. A. Omar, and F. A. A. Mutari, "Factors Affecting The Climate of Hospital Patient Safety," 2008.
[13] S. G. Marchon and W. V. M. Junior, "Patient safety in primary health care: a systematic review," Cad. Saúde Publica, vol. 30, pp. 1815-1835, 2014.
[14] N. J. Verbakel, M. Langelaan, T. Verheij, C. Wagner, and D. L. Zwart, "Improving patient safety culture in primary care: a systematic review," J Patient Saf, 2014.
[15] S. Elrifda, "Budaya Patient Safety dan Karakteristik Kesalahan Pelayanan: Implikasi Kebijakan di Salah Satu Rumah Sakit di Kota Jambi," Kesmas: Jurnal Kesehatan Masyarakat Nasional, vol. 6, 2011.
[16] P. A. Molloy, "Examining the relationship between work climate and patient safety among nurses in acute care settings," 2012.
[17] A. Aboul-Fotouh, N. Ismail, H. EzElarab, and G. Wassif, "Assessment of patient safety culture among health-care providers at a teaching hospital in Cairo, Egypt," Eastern Mediterranean Health Journal, vol. 18, p. 372, 2012.
[18] Peraturan Menteri Kesehatan Republik Indonesia No 75 Tahun 2014 tentang Pasut Keselamatan Masyarakat, 2014.
[19] Peraturan Menteri Kesehatan Republik Indonesia Nomor 46 Tahun 2015 tentang Akreditasi Puskesmas, Klinik Pertama, Tempat Praktik Mandiri Dokter, dan Tempat Praktik Mandiri Dokter Gigi, 2015.
[20] Komite Keselamatan Pasien Rumah Sakit, "Panduan Nasional Keselamatan Pasien Rumah Sakit (Patient Safety)," D. K. R. I, ed., ed, 2008.
[21] Peraturan Menteri Kesehatan Republik Indonesia No 1691/MENKES/PER/VIII/2011, 2011.
| Informant's Number | Age       | Length Of Working Experience | Position                     | Education                 |
|-------------------|-----------|------------------------------|------------------------------|---------------------------|
| 1                 | 45 years old | 14 years                    | Health Department of West Sumatera | Master                   |
| 2                 | 50 years old | 21 years                    | Health Department of Padang   | Master                   |
| 3                 | 40 years old | 6 years                     | Midwife                       | Diploma                  |
| 4                 | 50 years old | 15 years                    | Nurse                         | Diploma                  |
| 5                 | 52 years old | 22 years                    | Pharmacy Officer              | Pharmacy High School     |
| 6                 | 30 years old | 5 years                     | Doctor                        | Medical doctor           |
| 7                 | 38 years old | 19 years                    | Nurse                         | Diploma                  |
| 8                 | 39 years old | 12 years                    | Nurse                         | Diploma                  |
| 9                 | 46 years old | 20 years                    | Midwife                       | Diploma                  |
| 10                | 40 years old | 20 years                    | PPT                           | Diploma                  |
| 11                | 44 years old | 14 years                    | Nurse                         | Diploma                  |
| 12                | 33 years old | 2 years                     | Medical Record                | Diploma                  |
| 13                | 52 years old | 5 years                     | Laboratorium Analyst          | Senior High School       |

Average 43 years old 13.5 years
| No | Questions                                                                 | Informan 1                                                                 | Informan 2                                                                 | Informan 3                                                                 | Informan 4                                                                 | Informan 5                                                                 | Informan 6                                                                 | Informan 7                                                                 | Informan 8                                                                 | Informan 9                                                                 | Informan 10                                                                 | Informan 12                                                                 | Informan 13                                                                 |
|----|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
| P1 | Do you know about the meaning of Patient Safety?                          | Keep healthy and safe patients                                           | Activities performed on patients to injury and illness unsustainab     | Health care provided to patients                                          | A procedure to maintain for patients and personel                        | No infection and healthy patients                                        | Patients healed, healthy and safety is assured                             | An attempt of health personels to provide service according standars    | Yes, I know                                                              | I don’t know                                                              | Dependin g on the working condition                                       | Yes, I know                                                              |
| P2 | Are there module about Patient Safety at Health Center?                   | There was in ER                                                           | No                                                                        | Not yet                                                                   | Not complete                                                             | Not yet                                                                   | Not yet                                                                   | No                                                                        | Not yet                                                                   | Yes                                                                       | there is no module                                                      | Yes                                                                       |
| P3 | Is there workshop or training about Patient Safety at Health Center or C    | Ever held in 2013                                                         | Sometimes                                                                | Not yet                                                                   | Yes, but not routinely every year                                        | Not yet                                                                   | Not yet                                                                   | Yes                                                                       | Not yet                                                                   | I don’t know                                                              | No                                                                         | Yes                                                                       |
| P4 | Is there anyone who is responsible for the implementati on of Patient Saf    | Doctor                                                                    | No one                                                                   | Not yet                                                                   | Not yet, but all the personel take responsibility of patient safety      | Not yet                                                                   | Not yet                                                                   | All personels take responsibility                                        | Health personels                                                        | I don’t know. Never hear about it                                        | I don’t know                                                              | Yes                                                                       |
| P5 | What activities are being targeted for Patients Safety in Health Center?  | In the Emergency room and every room at Health Center needs               | In all programs in Health center                                         | Most of the rooms need to be targeted to develop guidelines for patient   | Every places and activities that related to Patient Safety               | In the examination room, immunizations, emergency room and room service  | All the rooms in health center                                            | The examination rooms the pharmacy, the entire rooms                    | The entire rooms                                                        | Pharmacy, family planning, MCH, dental treatment                        | The entire rooms                                                        | The registration booth to pharmacy                                      |
| P6 | Are there existing policeor Standard Operational                         | No                                                                        | There is no written policy                                               | Not yet                                                                   | Not yet                                                                   | Not yet                                                                   | There is no standard operational procedure for patient safety           | Not yet                                                                   | Not yet                                                                   | I don’t know                                                              | Yes, entire room have standard operational procedure                    | Yes, entire room have standard operational procedure                    |
### P7: Are there have to be reported in case of incident of Patient Safety?

|   | Yes | Yes | Yes | Yes | Yes, there was medical errors | Necessary, but there is no report | Settled internally first, and if not finished asking for help out | Yes and have to reported | Yes | Yes |
|---|-----|-----|-----|-----|-------------------------------|----------------------------------|---------------------------------|-------------------------------|-----|-----|

### P8: Is there any feedback to the employee or staff who report patient safety incident?

|   | Empolyess were reprimande d and told then defend themselves | Positive response | Yes, positive response | Ordered to find the address | Told to find these patients up to their home | There is no reported about patient safety | No | Warning | Yes, such as warning | Yes |
|---|-------------------------------------------------|-------------------|-----------------------|---------------------------|---------------------------------------------|------------------------------------------|----|---------|----------------------|-----|

### P9: Is there support form leader to reporting when incident related patient safety?

|   | Just warning, no punishment | Yes | Yes | Warning from Head of Health Center | Warning from head of health center | Yes, if there are problem, the leader or head of health center will investigated | Yes, the Head of Health Center will asked to the health personnel concerned | Warning from Head of Health Center | Just warning | Yes |
|---|----------------------------|-----|-----|-----------------------------------|-----------------------------------|-----------------------------------------------|-----------------------------------------|-------------------------------|----------------------|-----|

### P10: Is there support from colleagues for reporting about incident patient safety?

|   | There is support for friend | There is support for friend | Yes | Yes | More reminding | More reminding | Yes | No | Yes, there are support from other health personnel | Support and motivatio n from other health worker | Yes |
|---|-----------------------------|-----------------------------|-----|-----|-----------------|-----------------|-----|----|-----------------------------------------------|-----------------------------------------------|-----|

### P11: In the event of incident, is the health center do investigation, analysis and determines solution for patient safety?

|   | We investigate about work permit and practice here | Yes, for some cases | No | Yes, depending on the cases | Investigation and analysis is done, solution will be reminded | Investigation and analysis is done, the solution is to be reminded | Should to do investigation and increase service to the patients | Should indeed be done | Yes, developed by Head of health center. Health personnel will get warning | Yes | Yes |
|---|---------------------------------------------------|---------------------|-----|--------------------------|----------------------------------|---------------------------------|------------------|-----------------|-------------------------------|-------|-----|

### P12: How to identify incident related to patient safety? Is

|   | Investigation | There is identificatio n but not written, and tend to FMEA | Sometimes FMEA | Done with FMEA but not written | Judging causal problem | Judging causal problem, then find the patients and resolve the problem | Find the patients, prescription medication like and searching for | Judging causal problem | Judging causal problem | Judging causal problem | Find the patients, review an re-check |
|---|--------------|-------------------------------------------------------------|-------------|----------------------------|-----------------------|-----------------------------------------------|--------------------------|-------------------|-------------------|-------------------|---------------------|
| PI  | Question                                                                 | Option 1                                                                 | Option 2                                                                 | Option 3                                                                 | Option 4                                                                 |
|-----|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| P1  | Who are involved in the implementation of patient safety in health center? | All health worker and trained cadres                                     | All health worker, cadres and family.                                     | All personel, including cadres and family                                 | Just at the Health Center. Cadres, stakeholder, not just health personels |
| P1  | What do the clinical management to identify, assess and report potential hazard and risk? | Implementation of clinical management told each monthly                    | Sometimes                                                                | Do management risk, but there is no procedure                              | There is monthly meeting of all staff and Head of Health Center. There is procedure as reference |
| P1  | There is infections control program sin health center?                   | Infection control, medical and non-medical waste separation, washing hands but not all the rooms, personal protective equipment still not complete | Not yet, but not complete                                                 | Personal protective equipment complete the process of action               | Complete personal protective equipment, less hand washing facilities      |
| P1  | What do the introduction of safe treatment to patients?                  | Will be explain by doctor and in pharmacies also described                | Yes, sometimes                                                          | There was carried out starting from the history, how to put on and take medicine including an explanation of high-risk drugs | Yes, ask allergies, dosage. Report the problem                           |
| P1  | Do the patient and                                                         | Yes, specially in                                                         | Yes                                                                     | Yes, always give                                                          | Give information                                                        |

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| PI8 | What dimensions accordance with the concept of Patient Safety at Health Center? | Awareness of health personels, committed from management team, identification capabilities and reported | To involve all health personels and committed from leader | Dimensions from all health personels and leader | All lines in the health center should know about patient safety and also system are made | Awareness from health personels, good leadership, competent health personels to identifying the risk factors associated with the incident | Health personels awareness, responsibility and competent | All of it | Self awareness from health personels to take responsibility for patients | Self awareness from health personels, committed with leadership, and reporting incident | Self awareness from health personels and health center policy | Paramedics and Head of Health Center |
### TABLE III
**MATRIX OF INDEPTH INTERVIEW**

| No. | QUESTIONS                                                                 | ANSWERS BY INFORMAN NUMBER                                                                 |
|-----|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 1   | Definition of patient safety                                              | Does not know (Informan 10,11,12,13)                                                        |
|     |                                                                           | Good service without errors (Informan 3,4,5,6,7,8,9)                                        |
|     |                                                                           | Patient safety system (Informan 1,2)                                                        |
| 2   | Availability of modules and SOP                                           | Not available, SOP as substitute of module (Informan 1,2,3,11,13)                           |
|     |                                                                           | Not available (Informan 4,5,7,8,9,10,11,12)                                                 |
| 3   | Dissemination, workshops or training                                      | Available in Hospital (Informan 3,6,9,13)                                                   |
|     |                                                                           | Ever joined (Informan 1,7)                                                                  |
|     |                                                                           | Never (Informan 1,2,4,5,7,8,10,11,12)                                                       |
| 4   | Responsible                                                               | No assignment (Informan 5,6,11,12)                                                           |
|     |                                                                           | All the officers in charge (Informan 1,2,3,4,7,8,9,10,13)                                  |
| 5   | Place or patient safety activities                                        | In each room services/programs (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                    |
| 6   | Reporting to an incident                                                  | Needed (Informan 1,2,3,4,5,6,7,9,10,11,12,13)                                              |
|     |                                                                           | Fix it, report if unfixed (Informan 8)                                                      |
| 7   | Support from colleagues to report                                         | Support (Informan 3,4,5,6,7,8,9,11,12,13)                                                   |
|     |                                                                           | No Support (Informan 10)                                                                    |
| 8   | Feedback of reporting from the leaders                                    | Positive Response (Informan 3,4,5,6,11,12,13)                                              |
|     |                                                                           | Negative Response (Informan 7,8,9,10)                                                       |
| 9   | Analysis, investigation and solutions and follow-up incidents              | Asked, sought who was wrong, no follow-up (Informan 1,2,3,4,6,7,8,9,11,12,13)             |
|     |                                                                           | No follow up (Informan 5,10)                                                                |
| 10  | Infection control programs in health centers                              | Available but incomplete (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                         |
| 11  | Information procedure for taking medicine                                 | Doctor and pharmacist (Informan 1,2,3)                                                      |
|     |                                                                           | Doctor (Informan 5,6,7,8,9,10,13)                                                           |
|     |                                                                           | Pharmacist (Informan 4,11,12)                                                                |
| 12  | Care information                                                          | Doctors / nurses (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                                  |
| 13  | Dimensions in accordance with the concept of patient safety awareness in  | Awareness (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                                        |
|     | public health centers                                                     | Commitments (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                                       |
|     |                                                                           | Identification of risk factors (Informan 1,2,3)                                             |
|     |                                                                           | Reporting (Informan 1,2,3,4,5,6,7,8,9,10,11,12,13)                                         |
|     |                                                                           | Competence of personel (Informan 7,8)                                                       |

### TABLE IV
**SUMMARY OF DIMENSION OF PATIENT SAFETY IN PRIMARY HEALTH CARE**

| Dimension of Patient Safety                     | Number of participants stated the benefit |
|------------------------------------------------|------------------------------------------|
|                                                | All informants (n=13) | Health Workforce (n=11) | Policy Makers (n=2) |
| Awareness of health workforce                  | 13                       | 11                       | 2                    |
| Health workforce commitment of management      | 13                       | 11                       | 2                    |
| Identify risk factors associated with the incident | 3                        | 1                        | 2                    |
| Compliance health workers for Reporting         | 13                       | 11                       | 2                    |
| Competence of Health Workforce                 | 2                        | 2                        | -                    |