

Midwife roles to decline maternal mortality rate

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ABSTRACT

In order to reduce maternal mortality in Central Java, this Province has a superior program which is called 5Ng (*Jateng Gayeng Nginceng Wong Meteng*/Central Java Glad to See Pregnant Women). Implementation of childbirth assistance in Semarang and Kendal districts in order to reduce maternal mortality has its own model. Based on the preliminary survey, the maternal mortality rate in Semarang and Kendal regencies has decreased. This research aimed to explain the implementation of delivery assistance by midwives in the framework of accelerating reduction in maternal mortality. This study used a qualitative approach with descriptive analytical specifications. Research subjects were midwives in Semarang and Kendal Regencies. Data collection method was conducted by direct in-depth interview. Normal childbirth assistance in Semarang Regency is carried out at the Midwife Independent Practice, Village midwife practice, at the village public health center and public health center with delivery assistance of at least four hands (two midwives). In Kendal Regency normal delivery assistance is performed at first health facility.

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1. INTRODUCTION

Maternal Mortality Rate (MMR) in Indonesia is still relatively high. From the data of the Republic of Indonesia Ministry of Health in 2016 recorded 305 mothers died per 100,000 live births [1]. Indonesia is a developing country, where the maternal mortality rate is still high, it is because the service coverage is still low and social determinants [2-4]. In Central Java, the maternal mortality rate in 2017 reached 88.58% surpassing the target of 90% SDGs. This is inseparable from the flagship innovation program in Central Java that has been in place since 2016, which is the flagship innovation program in accelerating the decline in maternal mortality, which is 5Ng (*Jateng Gayeng Nginceng Wong Meteng*). The 5Ng program is carried out in 4 phases, namely the phase before pregnancy, pregnancy, childbirth and the puerperium [5, 6].

In Semarang Regency the number of maternal deaths in 2015 was 16/100,000 live births, in 2017 there were 15/100,000 live births. And in Kendal Regency, the maternal mortality rate in 2017 ranked the third highest mortality rate in Central Java, namely 25 maternal deaths, in 2018 there were 18 maternal mortality rates [6]. Midwives as the spearhead of the health service personnel who are in charge of assisting childbirth, have an important role in helping to reduce the MMR. Midwives in Kendal District in 2018 were 84 midwives. And in the Regency of Semarang as many as 83 midwives who both work as village midwives or PTT [1, 7].

Semarang and Kendal Regencies are Regions in Central Java Province. Topographically, it has a different character in Kendal Regency, which consists of lowland areas (Coastal) and highlands (Mountains). While, Semarang Regency is a highland and hilly region [8, 9]. Based on a preliminary survey conducted by researchers in Semarang Regency, midwives in assisting childbirth were conducted at the puskesmas or PMB, whereas in Kendal Regency according to the midwife who was met, midwives assisting childbirth must perform at Puskesmas. Looking at data from the Profile of the Central Java Provision Health Office, the Maternal Mortality Rate in Semarang and Kendal Regencies has decreased [1]. This study aims to describe the implementation of delivery assistance by midwives in order to accelerate reduction in maternal mortality

2. RESEARCH METHOD

2.1. Data sources

Primary data in this study is the delivery assistance conducted by midwives in Semarang and Kendal Regencies, Central Java Province. The data collection method was carried out by interviewing midwives in the region of Semarang and Kendal Regencies of Central Java Province with Triangulation by the chairman of Kendal Regency IBI and the chairman of Semarang Regency IBI.

2.2. Data subyek

Subjects of this study were practicing midwives who were in Semarang Regency working area and practicing midwives who were in Kendal Regency assisting childbirths. The object in this study was the implementation of delivery assistance by midwives.

2.3. Data analysis

The approach method used in this research is qualitative. With descriptive analytical research specifications that systematically describe and analyze the implementation of childbirth assistance conducted by midwives in Semarang and Kendal Regencies, Central Java Province. Analysis was done by qualitative normative and inductive methods

3. RESULTS AND DISCUSSIONS

3.1. Result

3.1.1. Implementation of childbirth assistance in Semarang Regency

- Childbirth assistance location

Based on the results of interviews with research subjects, in this case midwives practicing in Semarang Regency, normal delivery assistance is done at the Village Midwife Practice, Midwife Independent Practice, at Polindes, at Puskesmas. In order to facilitate patients regarding financing for delivery assistance was covered by the National Health Insurance midwives in the region of Semarang Regency collaborated with pratama health facilities.

- Childbirth assistance prosedur

Based on the results of interviews with research subjects in this case midwives practicing in Semarang Regency, normal delivery assistance was carried out in accordance with the APN (Asuhan Pertolongan Persalinan Normal/Normal Childbirth Assistance Care). By providing delivery assistance according to APN, it means that 5 aspects of childbirth assistance are carried out, those are: making clinical decisions, caring for mothers and babies, preventing infection, recording (medical records) of caring for delivery, referral to maternal cases and newborn complications. Midwives in Semarang Regency in helping with normal deliveries are always done at least 2 midwives or so-called 4 (four hands) whose aim is to facilitate handling in the event of an emergency. Every time a patient arrives to give birth, the intended midwife contacts the closest midwife's friend for joint delivery assistance.

3.1.2. Implementation of childbirth assistance in Kendal Regency

- Childbirth assistance location

Based on the results of interviews with research subjects in this case midwives practicing in the region of Kendal Regency, midwives said that normal delivery assistance was done at Puskesmas or at the hospital. Midwives who have an Independent Practice permit do not provide childbirth assistance at Home, even if there are patients who come to give birth, midwives directly ask patients to go to Puskesmas without making a referral.

- Childbirth assistance prosedur

Delivery of assistance is minimal conducted at PONE D Puskesmas or rumah Mampu bersalin (Maternity Capable house) assisted by doctors, midwives and assisted by nurses.

3.2. Discussion

Maternal mortality in accordance with the results of Nurul Aini's study entitled "Risk factors for maternal mortality" causes of maternal mortality rates are pregnancy complications, complications of complications and history of the disease. However, there are several other causative factors that contribute to maternal mortality, which in his research there are three determinants of maternal mortality rates, namely close determinants, intermediate determinants and distant determinants. Close determinants are complications of pregnancy and childbirth. Determinants include disease history, antenatal examination, mode of delivery, and late referral. Distant determinants of economic, social, and cultural conditions in the neighborhood of pregnant women, education level, employment status, and family income are not related to maternal mortality [10].

Delay in referral is an indirect maternal mortality factor that is proven to be significant for both maternal and infant mortality rates [7, 10]. The most ideal childbirth assistance is at health facilities where the availability of equipment and health workers is ready at any time during an emergency. Minimum health facilities that serve Obstetric and Basic Essential Neonatal Services (PONE D) [11].

Research results showed that the Independent Practice Midwife was a favorite place for delivery assistance by patients [12]. In accordance with the results of Amdad's research and his theme entitled "Don't Ma'am, I Give You Birth At Home Only": Qualitative Study on Searching for High-Risk Pregnancy Care Services at Waruroyom Health Center in Cirebon Regency, West Java Province "shows that pregnant women will look for delivery assistance with a choice at midwives, community Health centers and the last option is Hospital because midwives are closer and get family support [13].

Midwives in Semarang Regency delivered childbirth assistance at the Midwife's Independent Practice, Village Midwife Practice, Puskesmas, Polindes where childbirth assistance was carried out jointly by at least 2 midwives. Midwives in Kendal Regency did not provide childbirth assistance at pratama health facilities where there were doctors, midwives, and nurses in the pratama health facilities. Even if there were patients who come to midwife independent practice, the midwife immediately recommended the patient to Puskesmas without giving a referral.

Health workers play an important role in reducing maternal mortality, especially in community empowerment and partnerships [14, 15]. In addition, decentralization in the health sector has good potential in the efforts of health services [16, 17]. In accordance with their authority, midwives have the authority to deliver labor both at PMB and at other eligible health facilities [18-20]. Midwives in carrying out their duties are required to always improve their professional quality, especially in assisting childbirth [21].

Normal childbirth assistance by midwives in Semarang and Kendal districts is part of the implementation of planning in an effective strategic effort for policy holders to accelerate the reduction in maternal mortality [22]. In accordance with Law No. 23 of 2004 concerning Government, it is stated that compulsory affairs which become the authority of regional governments are Health in this case the provision of health facilities [23]. In Kendal District, there is a PONE D community Health centers to facilitate the delivery of normal childbirth and to turn a community health center that has not yet been PONE D into a delivery house in an area far from the PONE D community health center.

Maternity-ready houses created by Kendal District and mandatory childbirth assistance in Semarang District are part of the local government's innovation in reducing maternal mortality. Basic obstetric and neonatal emergency services (PONE D) in the era of decentralization, regions implement various innovations in accordance with the commitments and potentials of their respective regions. In addition it is necessary to develop policies from the center to the regions, cooperation on all parties related to development, especially civil society [24-28]. Governments in Semarang Regency and Kendal Regency in the context of improving performance in reducing maternal mortality have policies implemented in providing birth assistance by midwives relating to development, specifically [29].

The efforts made by the Semarang regency and Kendal regencies are government efforts to reduce maternal and infant mortality rates through policies. Some districts in Indonesia have had successful experiences in reducing maternal mortality and infant mortality rates with regulations for reducing maternal and infant mortality. The policy is outside the national policy and there are even regions that implement village level policies in order to reduce maternal and infant mortality. In Pasuruan Regency succeeded in reducing maternal, infant and toddler mortality rates and even received an MDG award by lowering Regional Regulations, Regents of Regents, and Village Regulations, regarding KIBBLA (Maternal and Newborn Health [30], While the efforts made by the Kapuas Hulu District Health Office have made Madubulin (the Public Concerned Women) [31].

Policies will be implemented if the quality and quantity of resources are met. Human resources and financial resources are one of the factors that influence the implementation of a policy [32]. The reduction in maternal and infant mortality rates in line with the SDGs is inseparable from the role of local governments who are closer to citizens, has authority in the use of funds, innovation and local government is the spearhead of providing public services and government programs [33].

According to a researcher, the community has confidence in midwives as birth attendants, midwives also have the authority to conduct normal childbirth assistance, so that normal delivery assistance by midwives may be done by Midwife Independent Practice, practices of village midwives, at Polindes, or at Puskemas but must work with other midwives done by at least 2 midwives so that emergency events can be handled immediately.

4. CONCLUSION

Normal childbirth assistance in Semarang Regency is performed at the Midwife Independent Practice, Village Midwife Practice, at Polindes, or at Puskemas with delivery assistance of at least 4 hands (two midwives). Childbirth assistance in Kendal Regency must be done at the First Health Facilities. The community still has trust with the midwife as a helper for childbirth. To facilitate handling if there is emergency state delivery as sistance should be done by midwives in independent practice at least carried out by two midwives.

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