QUALITY ASSURANCE IN OFFICIAL STATISTICS

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QUALITY ASSURANCE IN OFFICIAL STATISTICS

 Principles to be assessed for quality assurance in official statistics;

- Relevance
- Accuracy and Reliability
- Timeliness and punctuality
- Coherence and Comparability
- Availability and Clarity

ASSURANCE IN BIRTH AND DEATH STATISTICS

• A web-based application (named e-JanMa) has been developed for registration of Births and Deaths in the state.

Stages of implementation

- Pilot implementation in one taluk (Anekal taluk of Bangalore Urban District) in the mid of the year 2014.
- Extended to the whole of rural Karnataka in phased manned (in three phases – last phase from 1st April'2015)
- Government hospitals of urban areas also started using the application for registration from 1st July'15.
- 1st April'2018 & 2nd July'2018 onwards Bruhath Bengaluru Mahanagara Palike (BBMP) & Other Urban Local Bodies (ULB's) respectively are using this application.
- Presently entire state of Karnataka is using this application for registration.

ASSURANCE IN BIRTH AND DEATH STATISTICS

- On implementation of application in the entire state the quality assurance principals has been adhered;
 - Birth and Death registration data is a relevant information for data users and also to implement health programmes by central and state governments and also by NGO's.
 - In ensuring accuracy and quality in registration data, the entire registration machinery has been trained about the application. Since major events occur in hospitals, data will be entered by the hospital authorities and approved by the qualified doctors, accuracy in data is ensured.

ASSURANCE IN BIRTH AND DEATH STATISTICS

- Reports can be taken at any point of time and in any manner, timeliness is ensured.
- Availability of data to the data users is ensured by putting the annual report on the working of Registration of Birth and Death Act 1969 in the Directorate website.
- Since data is available in the Directorate website, it can be compared with the other state data and all India data.
- Unit level data can also be given to the users when ever requested.
 - Recently RGI had directed to give deceased information to the District Electrol office every six months this will be easy in JanMa application when compared to manually registers.

About e-JanMa

INTRODUCTION

• The Registration of birth and death in Karnataka is carried out under the Registration of Birth and Death Act, 1969 & Karnataka Registration of Birth and Death rules,1999.

Registration Units

- In Rural area all Revenue Villages are notified as Registration Units and all Primary Health Centers & Community Health Centers are Sub-registration Centres.
 - In rural area, there are 31,584 Registration and Sub-registration Units.
- In Urban area, all Urban Local Bodies are Notified as Registration Units and all Government Hospitals in urban area are Sub-registration Centres.
 - In urban area, there are 720 Registration and Sub-registration Units.

INTRODUCTION

Registration Machinery

Sl.	N Area	Registrars/Sub-Registrars		
0				
	Rural			
1	i) Village(each revenue Village)	Village Accountant		
	ii) Primary Health Centres/CHC	Medical Officer		
	Urban			
	(i)City Corporations	Health Office		
	(ii)City Municipal Councils	Health Officer / Health Inspector		
2	(iii)Town Municipal Councils	Health Inspector		
	(iv) Notified Areas/Project Areas	Health Inspector		
	(v)CHC/PHC/Dist.Hospitals/Taluk Hospitals	Medical Officer		

Manual Registration procedure.

- Reporting of Birth, Death and Still Birth in the reporting forms (form No. 1, 2 and 3) to Registrar.
- Registrar had to
 - •verify the occurrence of the event and register the same.
 - •Issue of required number of certificates manually
 - •Submission of monthly reports and statistical portion to the Chief Registrar through Tahsildar.
 - •Issue of extra copies of the certificates required by the public.
 - Preservation of registration records
 - Authenticating the certificates
- •Coding and data entry of Statistical information and preparation of annual reports.

Objectives of the Project

- 'e-JanMa' application is designed with a view of introducing a procedure of issuing the Birth and Death certificates in registration centers in the State, irrespective of the place of registration.
- Generation of the reports at all levels on the working of the Registration of Birth and Death Act.
- It brought transparency in the registration process.
- Electronic preservation of the Birth and Death records.
- Integration of Aadhar enrollment with eJanMa for newborn children at all Govt Health institutions.

Challenges faced in the implementation of e-JanMa:

- Creation of user id of the Registrars and Sub-registrars as there are 8795 registrars and 2537 Sub-registrars.
- Providing digital signature to all the Registrars and Subregistrars.
- Mapping of Villages to the respective Village Accountant Circle and Nadakacheri.
- Updation and enhancement of the software according to the errors occurred during the pilot implementation.

Challenges faced in the implementation of e-JanMa:

- Provided user-id for Private health institutions to reporting birth and death events to the concerned Registrars.
- Hands on training given around 18000 plus registrar, sub-registrars and data entry operators / case workers on the 'e-JanMa' application.
- Supply of Preprinted stationary to the registration functionaries.

SRS RATES AND EXPECTED EVENTS

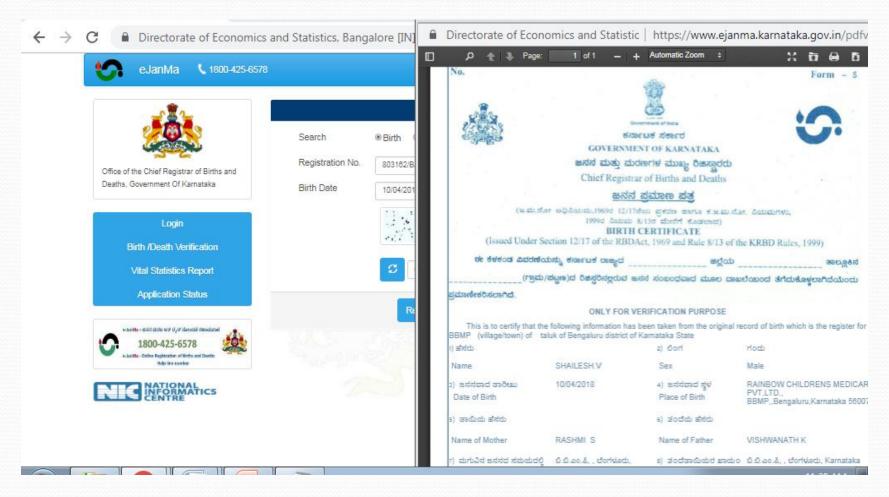
SRS Rates	Birth Rate	Death Rate	Expected Births for the year 2018	Expected Deaths for the year 2018	Expected Births per month	Expected Deaths per month
Karnataka	17.3	6.7	1189242	460573	99103	38381

Recording efficiency Statistics

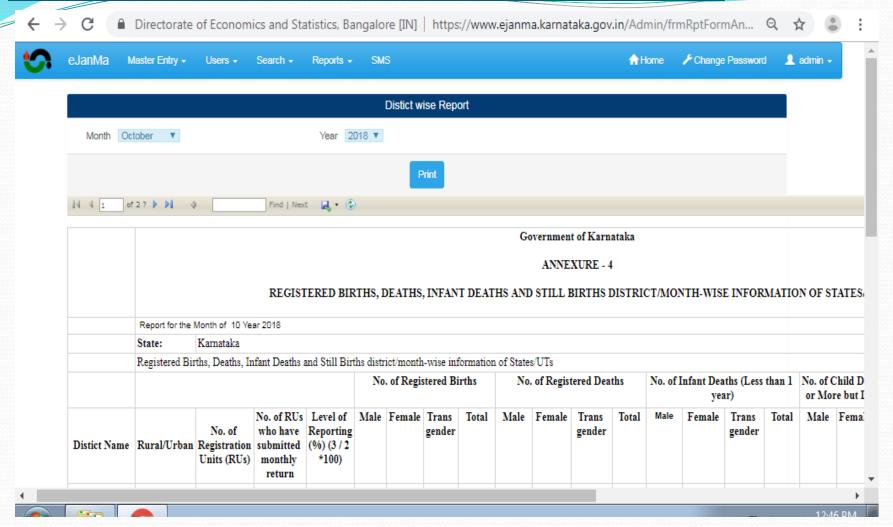
Karnataka	Births	Deaths	Recording Efficiency in eJanMa	
Expected events as per SRS per month	99103	38381	Births	Deaths
July	62944	37131	63.51	96.74
Aug	71663	37357	72.31	97.33
Sep	90071	40975	90.89	106.76
Oct	90646	41109	91.47	107.11



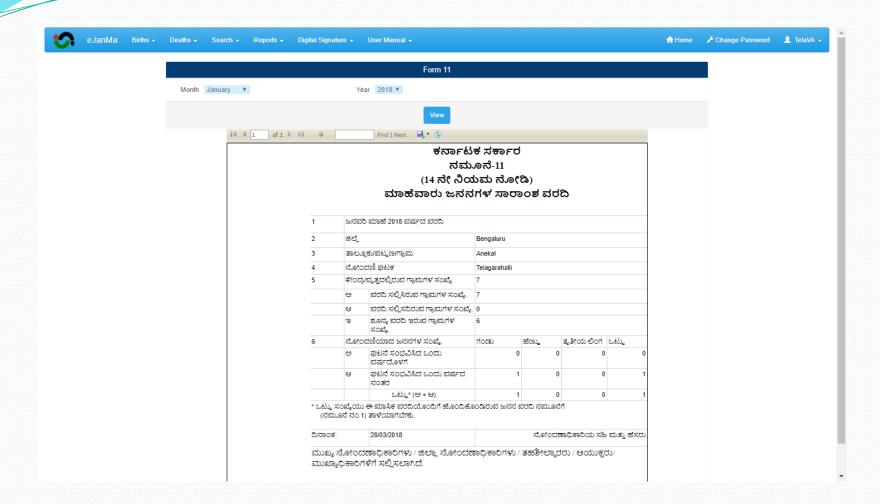
www.ejanma.karnataka.gov..in - home page



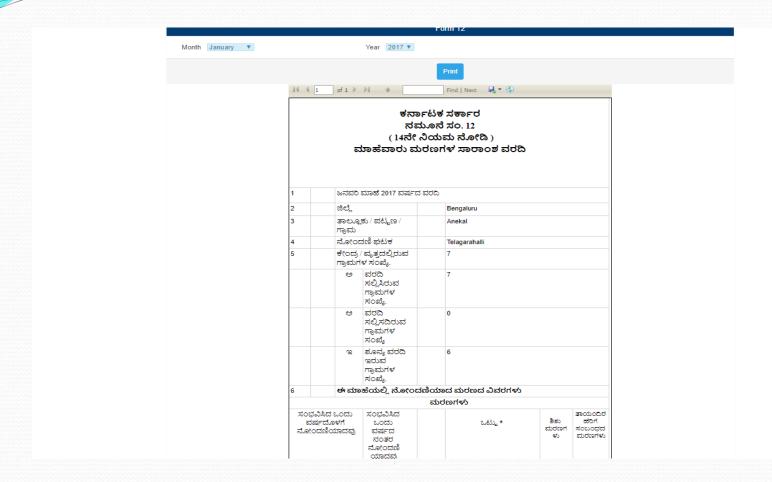
The authenticity of the Birth or Death certificates can be verified by the agencies e.g., School Authority, Passport Offices, Insurance companies etc.,



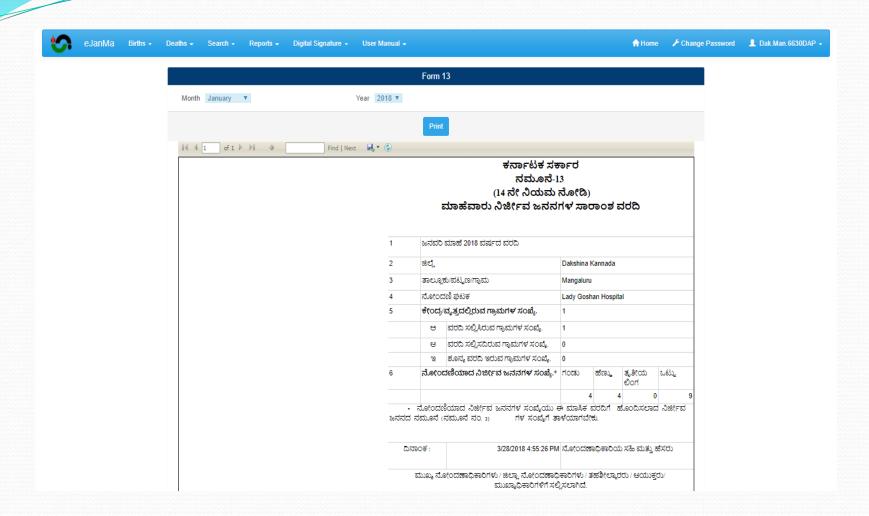
Vital Statistics report: District wise Births, Deaths, Infant deaths less than 1 year, Infant deaths more than 1 year and less than 5 years and Still Births can be generated in web based application and sent to the RGI every month instantly.



Birth Summary month wise can be generated in Registrars / Sub Registrars login.



Death Summary month wise can be generated in Registrars / Sub Registrars login.



Still Birth Summary month wise can be generated in Registrars / Sub Registrars login.

Special features of 'e-JanMa'

- Digital Signature of the registrars/ sub-registrars have been introduced. Once the event has been approved, registrar / subregistrars will digitally sign the certificate generated in the application.
- SMS will be sent to the registrars/ sub-registrars mobile regarding the pending events for approval.
- SMS will be sent to the informant's mobile after the event is approved.
- Public can verify the status of the application in the public portal of the 'e-JanMa' regarding correction and name inclusion.
- The authenticity of the Birth or Death certificates can be verified by the agencies e.g., School Authority, Passport Offices, Insurance companies etc.,

SURVEY ON DEVELOPMENT PROGRAMMES

- Sample survey on development programmes is being conducted every year since last 18 years. This year the following development programmes are taken for survey.
 - Distribution of cycles free of cost for students studying in 8th standard.
 - Pashubhagya yojane of Department of Animal Husbandry and Veterinary Sciences (Distribution of rearing animals).
 - Rehabilitation programme for sexual minorities.
 - Monthly pension scheme for differently abled.

SURVEY ON DEVELOPMENT PROGRAMMES

- The objective of the survey is
 - to see whether the objectives of the development programme are fullfilled on time and reach the targeted population.
 - The report reflecting the results of the survey enables the concerned development department to further strengthen the implementation of the programme with modifications if required.

SURVEY ON DEVELOPMENT PROGRAMMES

- During 2016-17 a rapid assessment survey was conducted on four programmes namely;
 - Anna bhagya
 - Ksheera bhagya
 - Krushi bhagya
 - Interest Subvention Scheme
- Under ksheera baghya scheme
 - whole milk was given only for 3 days to the school going children and
 - skim milk was given to Anganawadi children.
- After considering the results of the survey, whole milk is provided for all children for all 6 days.

