



EFFECT OF LOAD SHEDDING ON HEALTH CARE SERVICE DELIVERY

Presentation outline



health
Department of
Health
FREE STATE PROVINCE

- 1. Medical Equipment's**
- 2. Electrical Equipment's**
- 3. Water supply**
- 4. Service Delivery**

MEDICAL EQUIPMENTS



- Under voltage or over voltage may occur when the power is restored. This will have a negative impact on the medical equipment which are manufactured to operate at certain rated voltage.
- Due to frequent load shedding schedules that are long, batteries are not charged optimally and they get discharged and depleted quickly and this reduces their life span. Necessitating frequent replacements.
- Other medical equipment such as ventilators and fusion pumps depend entirely on electricity.
- During load shedding, there are some delays before the standby generator kicks in.
- The theatre lights, and other life support machines they need to be on uninterrupted power supply (UPS)



- Due to load shedding the standby generators require frequent service and maintenance
- Standby generators use huge amount of diesel because they have to run for many hours and as result become exorbitant to run.
- The breakdowns take time to rectify as there is a shortage of spare parts around the country.
- The Life span of the generators shortens as they put more running hours during the load shedding.
- Security becomes compromised during load shedding resulting in vandalism of electrical and water pipes systems.
- The vandalised equipment has to be replaced resulting in budget reductions thereby compromising the militance.

ELECTRICAL EQUIPMENT



- Equipments: lot of damage in big machines such as Autoclave machines; Kitchen fridges; Mortuary fridges; Computers- Increased maintenance budget.
- Generator operated 13 hours per day and 11 hours on Eskom- depleted budget allocated for Diesel costing movement of funds from other critical items on Goods & Services to Diesel : 1 600 litres @ cost of R400 000 Last a month.

WATER SUPPLY



- Shortage of water due to municipality pressure pumps that are affected by load shedding
- Shortage of linen due to non functioning of laundry equipment due to lack of water supply
- Life span of equipment and machinery is shortened due to cables and breakers burnt and had to be repaired more frequently

SERVICE DELIVERY



- Challenged in receiving & sending out of mails due to the system which is down.
- Patients management is affected in terms of systems used-e.g Lab track, HPRS-for files retrieval, giving out of medications, Retrieving of Data on TIER/DHIS System, consulting of patients in consultation rooms as some facilities become very dark during load shedding. Medical equipment utilising electricity is negatively affected, e.g. ENT light sets, nebulizers, etc.
- Negative impact on some medication in pharmacy due to length of load shedding, e.g. vaccinations needs to be kept on a specific low temperature.
- Prolonged waiting time leading to increase in patient compliant.
- Compromise of safety especially for night duty security/staffs
- Funds are shifted from non-negotiable for buying of diesel



THANK YOU