# JICA Workshop on 5S-KAIZEN-TQM for Quality Improvement in health sector

#### 27 January 2022

13:00-14:30 EAT 10:00-11:30 GMT 19:00-20:30 JST

# Program

- 1 Background and purpose of the Workshop
- 2 Opening remarks
- 3 Basic concept and the purpose of 5S-KAIZEN-TQM
- 4 Sharing experience of implementing 5S-KAIZEN-TQM in Tanzania for quality improvement of health services
- 5 Comments on 5S-KAIZEN-TQM implementation
- 6 Discussion and Q&A
- 7 Wrap up
- 8 Closing remarks

1

2

# 1. Background and purpose of the Workshop

#### Background and purpose of the Workshop

#### Background:

- Universal Health Coverage (UHC) all individuals and communities should have access to <u>quality</u> essential health services without suffering financial hardship - one of the targets committed at SDGs in 2015
- Quality of health services need to accompany when improving access to the services

#### Purpose

4

 To share the concept of 5S-KAIZEN-TQM in health sector and experience of implementing 5S-KAIZEN-TQM for quality improvement

3

# 2. Opening remark

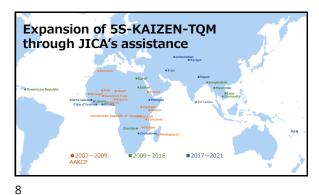
Dr. Aifelo Sichalwe, Chief Medical Officer

Ministry of Health, Community Development, Gender, Elderly and Children, United Republic of Tanzania

# 3. Basic concept and purpose of 5S-KAIZEN-TQM

# Brief History of 5S-KAIZEN-TQM approach

- "KAIZEN" originated in manufacturing sector and adapted by health sector for improving **safety** and **quality** 
  - · 5 million deaths poor quality care
  - <u>10% of hospital expenditure</u> correcting preventable medical mistakes
- JICA developed "5S-KAIZEN-TQM" approach to reduce these incidences that are preventable



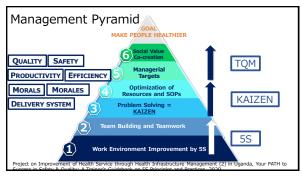
7



- •5S = Sort, Set, Shine, Standardise and Sustain
- **KAIZEN** = "change for the better" or improvement in Japanese
- TQM = Total Quality Management, the overall optimisation of the production/service provision system of the health facility
- A Stepwise Quality Improvement Approach

Tanzania MOHCDGEC, Implementation Guideline on 5S-KAIZEN-TQM Approach in Tanzania: The path to Tota Quality Managed Hospital 4<sup>th</sup> edition, 2019

9



Achievements through 5S-KAIZEN-TQM

### **Improving**

10

- Work environment
- Cleanliness
- Waiting time of clients
- Efficient use of medical supplies
- Waste management
- Culture of quality improvement development
- Overall hospital performance

11 12

3. Basic concept and purpose of 5S-KAIZEN-TQM -5S-KAIZEN-TQM as a useful QI tool under the threat of COVID-19 pandemic

# In times of COVID-19 and other infectious diseases

- COVID-19 has posed threat to health system and there have been too many human tolls
- 5S-KAIZEN-TQM can contribute to Infection Prevention Control through optimising the space with limited
  - 5S clean and efficient facilities
  - KAIZEN Improvised PPE and necessary items

  - TQM optimise organisation as a whole

13 14

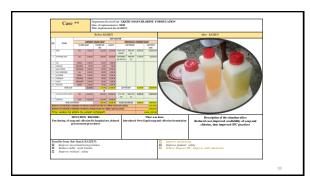


Simple PPE made in Mwananyamala RRH, Tanzania





15 16



Improvisation trained through KAIZEN: Zoning patients' flow Photos provided by The Project on Improvement of Health Service through Health Infrastructure Management (2) in Uganda

18

3

4. Sharing experience of implementing 5S-KAIZEN-TQM in Tanzania

#### Presenters

- Mr. Lusajo Ndagile
   Assistant Director Policy and Planning, Ministry of Health,
   Community Development, Gender, Elderly and Children
   (MoHCDGEC)
- Dr. Caroline Mayengo Assistant Director Curatives Services, MoHCDGEC
- Mr. Joel Fares Health Secretary, Centre for Educational Development in Health, Arusha (CEDHA)

20 21

Mr. Lusajo Ndagile, Assistant Director Policy and Planning Ministry of Health, Community Development, Gender, Elderly and Children 5S-KAIZEN-TQM FOR
QUALITY IMPROVEMENT
IMPLEMENTATION AT THE
MINISTRY OF HEALTH

Workshop on 5S-KAIZEN-TOM for Quality Improvement in
Health Sector

Presentation by: Lusajo E. Ndagle
Assistant Director Policy and Planning

22 23

#### CONTENT

- □Background
- □5S-KAIZEN-TQM in the National Policy documents
- □Expanding 5S-KAIZEN-TQM in the country
- ■Achievements
- ■Way forward and advice to other countries

#### BACKGROUND

- First Team of Tanzanians participated Asia Africa Knowledge Co-creation Program on 5S-KAIZEN training in Japan and Sri Lanka in 2007
- Pilot Project started in August 2007 at Mbeya Zonal Referral Hospital
- Outcome and impact of 5S activities were recognized and the approach was officially adopted by MoH
- National Rollout of the 5S followed and 1st Training of Trainers was conducted in 2008

24 25

1

4

# POLICY DOCUMENTS

#### National Health Policy 2007

Policy Statement; The Government to strengthen, monitor and evaluate health system in response to quality of health services with efficiency and in accordance with the required standards

#### Sustainable Development Goals # 3

Main Targets; Universal health coverage, Maternal Mortality, Child mortality among others

#### • Health Sector Strategic Plan V (2021 - 2026)

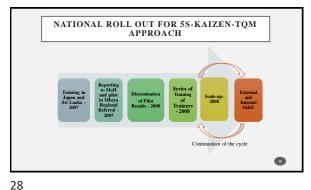
Focus on improving quality of care through health systemlevel improvements.

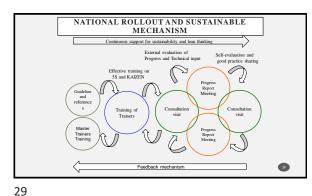
#### POLICY DOCUMENTS

- 5S-KAIZEN-TQM approach implementation aligned with the National Policy statements and developed;
  - √Implementation guideline for 5S-KAIZEN-TQM approach in Tanzania 1st to 4th edition
- √KAIZEN Handbook
- √Tanzania Quality Improvement Framework 2011-
- √National Quality Improvement Strategic Plan 2013 -2018
- QI implementation structure is established at health facilities based on the TQIF

26 27

26







#### ACHIEVEMENTS

- 67 Hospitals (National, Zonal, Regional Referrals), 396 health workers were directly trained by JICA between 2008 to 2014
- 12,766 health workers were trained on 5S-KAIZEN through in-house training in those 67 Hospitals.
- 168 health managers from 28 RRHs were trained on KAIZEN since 2015 to date
- 5S-KAIZEN-TQM approach was adopted as an effective approach for commodity management and disseminated to district health facilities in 10 regions. 3055 workers were trained between 2016-2017

30 31

5

#### WAY FORWARD

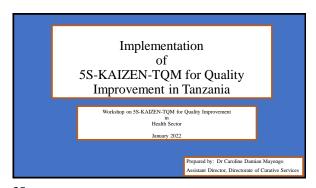
- MoH to continue strengthening establishments and functionality Quality Improvement Units (QIU), Quality Improvement Teams (QIT) and Working Improvement Teams (WITs) at the hospitals to implement 5S-KAIZEN-TQM activities
- \*Continue providing support in staff, equipment, infrastructures and guidelines
- Collect and share performance and progress repots through Monitoring and Evaluation tools
- Presentations of performance reports in the Joint Review Meetings for information sharing and improvement



32 33

32

Dr. Caroline Mayengo, Assistant Director Curatives Services Ministry of Health, Community Development, Gender, Elderly and Children



34 35

Background
 Position of 5S-KAIZEN-TQM approach within the hospital's policy on quality improvement
 Expansion of 5S-KAIZEN-TQM in hospital and it's achievements
 Lessons learned

· Way forward and advice to other hospitals

Background (1)

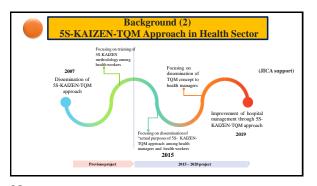
5S-KAIZEN-TOM Concepts

Total Quality Management (TOM) is a multi-disciplinary and participatory processes with continuity by all categories of staff for realizing high quality services and organizational optimization.

The improvement of organizational management, quality and safety can be achieved by continuous problems obving process

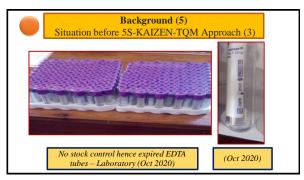
A philosophy of improving working environment, with focus on productivity, safety, mistake proofing, cost reduction, space utilization and communication

36 37









41 40



#### 5S-KAIZEN-TQM approach position within the hospital's policy on quality improvement

- 5S-KAIZEN-TQM Approach has continued to be implemented as a foundation for all other quality improvement approaches at health facilities (HFs)
- All HFs have QI structure with QAU/QIU/QITs dealing with 5S-KAIZEN-TQM in quality improvement and safety issues in their daily
- Each QAU/QIU/QITs has a specific allocated staff for coordinating 5S-KAIZEN-TQM



# Activities on expanding 5S-KAIZEN-TQM

- These include:• Establishment of QITs/QIU and WITs
  - Continuous training of 5S-KAIZEN to all staff
  - · Continuous M&E of 5S-KAIZEN activities
  - · Work on gaps identified and report
  - · Sharing of best practices within and outside the Hospitals
  - Prepare and reports implementation on Quarterly and Annual basis (with HMTs / MoH)
  - Continue with recognitions and awards

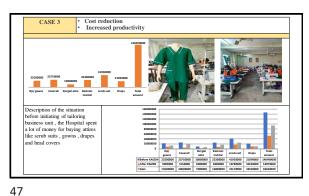
42

43

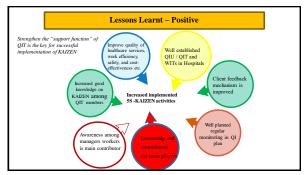


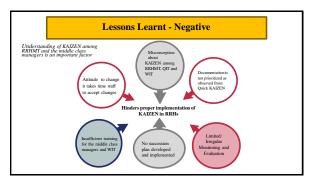












#### Way forward (1)

#### For new comers (1)

- Declare the implementation of 5S-KAIZEN- TQM Approach
- · Conduct the trainings on 5S-KAIZEN- TQM Approach
- Adopt / use of 5S-KAIZEN TQM Approach guideline to establish the QIU/ QIT and WITs
- Develop or adopt M&E tools
- Establish showcase for 5S-KAIZEN activities
- Implement 5S-KAIZEN activities

52 50

#### Way forward (2)

#### For new comers (2)

- Monitor implementation of 5S-KAIZEN activities
- · Share best practices within and outside the Hospitals
- Prepare reports Quarterly and Annual share with HMTs / MoH
- · Establish recognitions and awarding system
- Establishment of KAIZEN/5S/ Quality Day

#### Way forward (3)

#### For Implementers

- Continue with : Trainings on 5S-KAIZEN- TQM Approach
  - Implementation of 5S-KAIZEN activities
  - · Monitoring implementation of 5S-KAIZEN activities
  - · Sharing of best practices within and outside the Hospitals
  - Preparation of reports Quarterly and Annual share with HMTs / MoH
  - · Recognitions and awards
  - KAIZEN/5S/ Quality Day for part-time QIT members

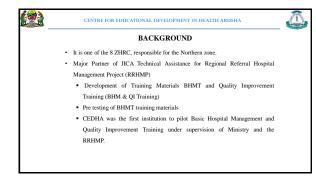
54 53



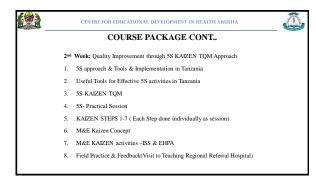
Mr. Joel Fares, Health Secretary, Centre for Educational Development in Health, Arusha (CEDHA)

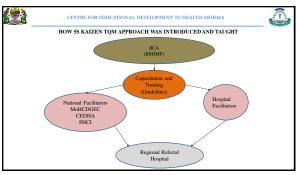
55 56

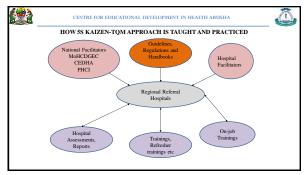


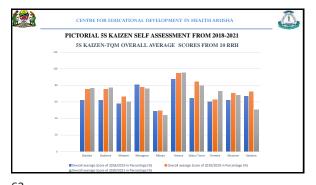


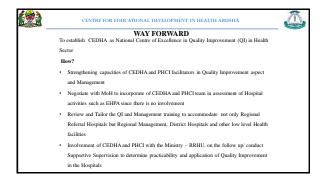




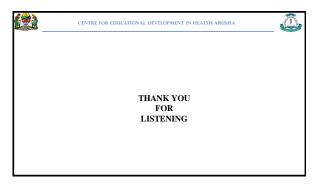






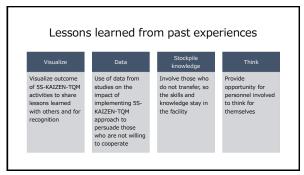






65 66

Lessons learned from past experiences Goal Model Nurture Understand Invest in a Everyone leadership at the ultimate model hospital needs to be every level to goal of or department involved and lead the way improving to showcase teamwork to for QI and quality of their own good he support the strengthened health services practices staff continuously



67 68



5. Comments from other countries

Prof. Naglaa El-sherbiny

**Director, Egypt** 

Vice Dean for Community Services, Faculty of Medicine, Fayoum University, TCTP Course

69 70

# Comments from other countries

- <u>Prof. Naglaa El-sherbiny</u>, Vice Dean for Community Services, Faculty of Medicine, Fayoum University, TCTP Course Director, Egypt
- Dr. Mary E. Ashinyo, Deputy Director, Institutional Care Division, Ghana Health Service (GHS), Responsible for Quality Assurance of the GHS, Ghana
- <u>Dr. Owen Musopole</u>, Quality Management Directorate, Ministry of Health, Malawi
- <u>Dr. Sophie Namasopo-Oleja</u>, Director, Kabale Hospital, Uganda
- <u>Mr. Musiwarwo Chirume</u>, Director Quality Assurance and Improvement, Ministry of Health & Child Care, Zimbabwe
- 1. Current 5S-KAIZEN-TQM implementation and way forward
- 2. How and what did your country learn from experience of Tanzania?

71 72



Dr. Mary E. Ashinyo Deputy Director, Institutional Care Division, Ghana Health Service (GHS), Responsible for Quality Assurance of the GHS, Ghana

73 74



Ghana began discussions on KAIZEN in 2019 and began pilot in January 2020
 Currently pilot of 55 ongoing in 3 facilities
 Pilot ro this, Ghana was implementing KAIZEN in industry sector - clothing

 Guidelines for quality management governance
 Capacity building
 Supportive supervision
 Learning plations: KAIZEN Network, KAIZEN Managers Forum

 Improved workflow
 Increased health worker job satisfaction
 Foster team spirit in multi-disciplinary groups
 Improve quality and safety
 Efficiency: reduction of waste

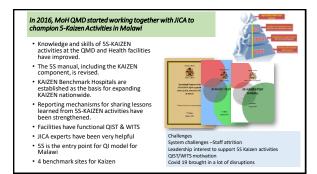
 Individual services of the safety of the safe

75 76

Dr. Owen Musopole Quality Management Directorate, Ministry of Health, Malawi



77 78



Dr. Sophie Namasopo-Oleja Director, Kabale Hospital, Uganda

5S-CQI-TQM PERFORMANCE AT KABALE REGIONAL REFERRAL HOSPITAL Dr. Namasopo-Oleja Uganda SS Internal Assessment Performance

SS External Assessment Performance

The first TQM Performance.

Theme: Functionalization Of All Medical Equipment

The first TQM Performance.

Theme: Functionalization of All Medical Equipment

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

Theme: Improving Readiness To Address Hypoxia.

The second TQM Performance.

The second TQM Perfo

81 82

Mr. Musiwarwo Chirume Director Quality Assurance and Improvement, Ministry of Health & Child Care, Zimbabwe

# 5S-KAIZEN-TQM ZIM PROJECT

Presentation

Ву

Musiwarwo Chirume Director Quality Assurance and Improvement Ministry of Health and Child Care Zimbabwe

83 84

# Presentation Overview

- ➤ Background
- > How 5S-KAIZEN-TQM approach is positioned within the country's policy on quality improvement
- Activities on expanding 5S-KAIZEN-TQM in the country and achievements
- ➤ Lessons learned
- > Way forward in your country and advice to other countries

# Background

- > Zimbabwe is one of the countries facing a myriad challenges outside a warzone
- > Provision of quality services is almost impossible
- Massive brain drain left skeleton critical professionals with remaining workforce demotivated and just hanging in
- QA/QI activities were adopted to ameliorate the effect of the challenges, maximizing on the available resources
- ➤ To date 4/6 central, all 8 provincial, 12/63 district hospitals and 132/1503 clinics have been enrolled
- Underperforming facilities based on Results based financing program that uses quality checklists for scoring are now prioritized for enrolment

85 86

# Quality Improvement Policy

- National Quality Assurance and Quality Improvement Policy was launched in July 2015,
- It vision was to anchored on nurturing of a work ethic that fosters a culture of always aspiring to exceed expectations
- ▶ But how? National Quality Assurance and Quality Improvement Strategy (2016-2020) outlined the three tire QA/QI of implementation:
- -5S- will mainly focus on priming the environment and workers for quality
- -KAIZEN-to define a systematic way of identifying and solving problems
- -TQM- to optimize and synchronize performance of all work areas ultimately achieving world class service provision
- A 55-KAIZEN-TQM manual for training staff has been developed to ensure uniformity of implementation. This manual is generic, covering all ministry professionals, programs and work areas

# Expanding 5S-KAIZEN-TQM

> The Zimbabwe strategy is to train top tier facilities first who would cascade the training to facilities under their jurisdiction.

-Now all provincial hospitals, who oversee district and clinics in their provinces have been trained. The next steps are:

- to identify and train district hospitals whose management shows commitment to quality
- > Identify and train provincial quality focal persons
- Identify and train pilot district quality focal persons who will also help introduce the concept to other districts, supporting the provincial and head office teams
- > The district teams cascade the concepts to clinics and clinic staff ultimately to community workers
- Establish and capacitate Quality committees at the provincial and district level to initiate and sustain quality implementation

87 88

# Lessons learned

- > There is internal desire to do good in many employees
- ➤ Poor implementation can be attributed to limited knowledge and few champions/ success stories on 5s-Kaizen-TQM in healthcare
- Visuals makes training and information assimilation easy
- > Top management support and training programs are mainly nonexistent- simply there are no quality management systems
- Powerful cultures and communities of practice need to be cautiously navigated
- > The culture of quality needs to be natured over time and should be everyone's business
- > Sustenance and scalability should be incorporated in the design

# Way Forward

- ➤ Cascading the 5S-Kaizen-TQM concept ministry wide, maximizing on gains made by facilities and individuals that were early adopters by:
- -moving them to the next level
- -incorporate them in training new entries
- -continual training and mentorship
- -peer exchange visits
- -documentation of best practices and experience sharing symposiums
- Developing quality improvement SOPS for training, document control, communication, management of gaps, auditing etc in line with TQM requirements
- ➤ Developing, measuring and high level tracking of quality indicators

89 90

### Advice to Peers

- > The quality team/champions need to be exemplary
- ➤ Results are a reflection of the systems in place; establish the system necessary to achieve results
- > Systems should motivate staff to take pride in achieving results = systems should not be anchored on the punitives
- $\, \succeq \,$  Quality will not improve much by increasing measurements frequencies without action

6. Discussion Question and Answers

	Request for feedback
7. Wrap up	https://forms.office.com/r/xbvnCUR7vR  Deadline: 4 <sup>th</sup> February 2022
93	94

Thank you for your participation!

8. Closing Remark

95