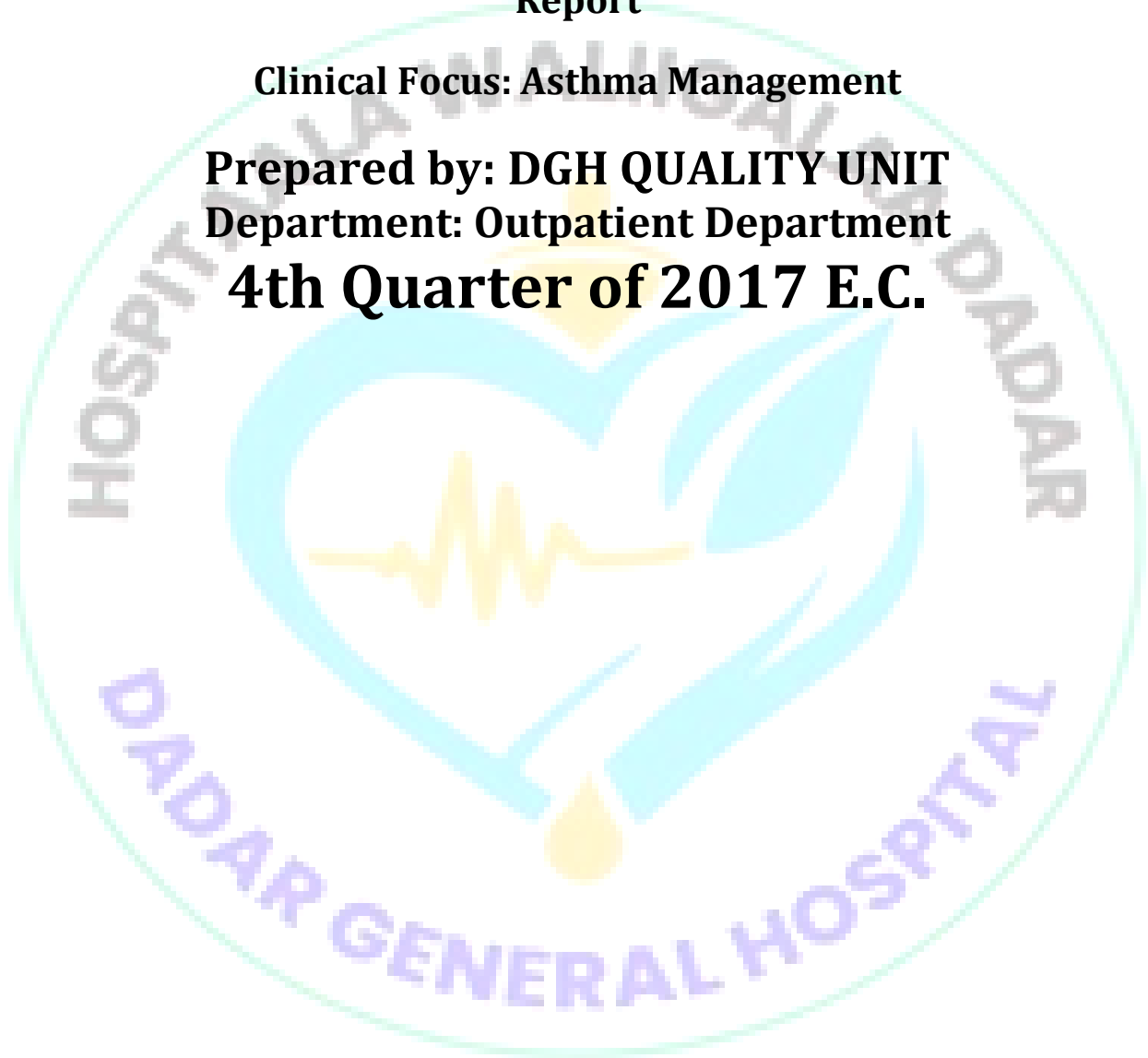

DEDER GENERAL HOSPITAL

Standard Treatment Guideline (STG) Adherence Monitoring Report

Clinical Focus: Asthma Management

**Prepared by: DGH QUALITY UNIT
Department: Outpatient Department
4th Quarter of 2017 E.C.**



**Deder, Ethiopia
July, 2017 E.C.**

Table of Contents

Contents

1. Introduction	2
2. Aim.....	2
3. Objectives	2
4. Methodology	2
5. Results.....	3
6. Discussion.....	5
7. Previous Action Plan Implementation Status	5
8. Recommendations.....	5
9. Action Plan.....	5
10. Conclusion	6
11. References	6

1. Introduction

Asthma is one of the leading causes of chronic respiratory illness in Ethiopia, impacting both children and adults. Uncontrolled asthma leads to frequent hospital visits, absenteeism from work or school, and increased healthcare costs. The Ethiopian Ministry of Health's **Standard Treatment Guidelines (STG)** offer a framework for diagnosis, treatment, and long-term management. This report evaluates the extent to which healthcare providers at Deder General Hospital adhered to these guidelines during the 4th quarter of 2017 E.C.

2. Aim

To measure the level of adherence to the National Standard Treatment Guidelines in the management of asthma at Deder General Hospital, and to guide continuous quality improvement efforts.

3. Objectives

- To assess compliance with STG-based asthma diagnosis, treatment, and follow-up.
 - To evaluate provider performance across 12 critical parameters.
 - To compare current performance with previous audits and track improvements.
 - To document successful interventions and areas needing ongoing attention.
 - To promote sustainable, protocol-driven asthma management practices.
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4. Methodology

4.1 Study Design

A descriptive, cross-sectional audit was conducted using standard checklist tools.

4.2 Sampling

- **Sample Size:** 10 randomly selected patient charts
- **Period Reviewed:** July 2017 E.C.
- **Departments:** Emergency and Outpatient units

4.3 Inclusion Criteria

- Patients diagnosed with asthma during the audit period
- Full documentation of diagnosis, treatment plan, and follow-up
- Managed according to STG protocol during the 4th quarter

4.4 Exclusion Criteria

- Incomplete charts or missing follow-up documentation
- Asthma cases handled outside of STG (e.g., alternative therapies)
- Previously diagnosed patients with no active treatment this quarter

4.5 Data Collection Tools

- Structured clinical audit checklist based on STG asthma protocol
- Patient chart review
- Provider interview (if clarification needed)

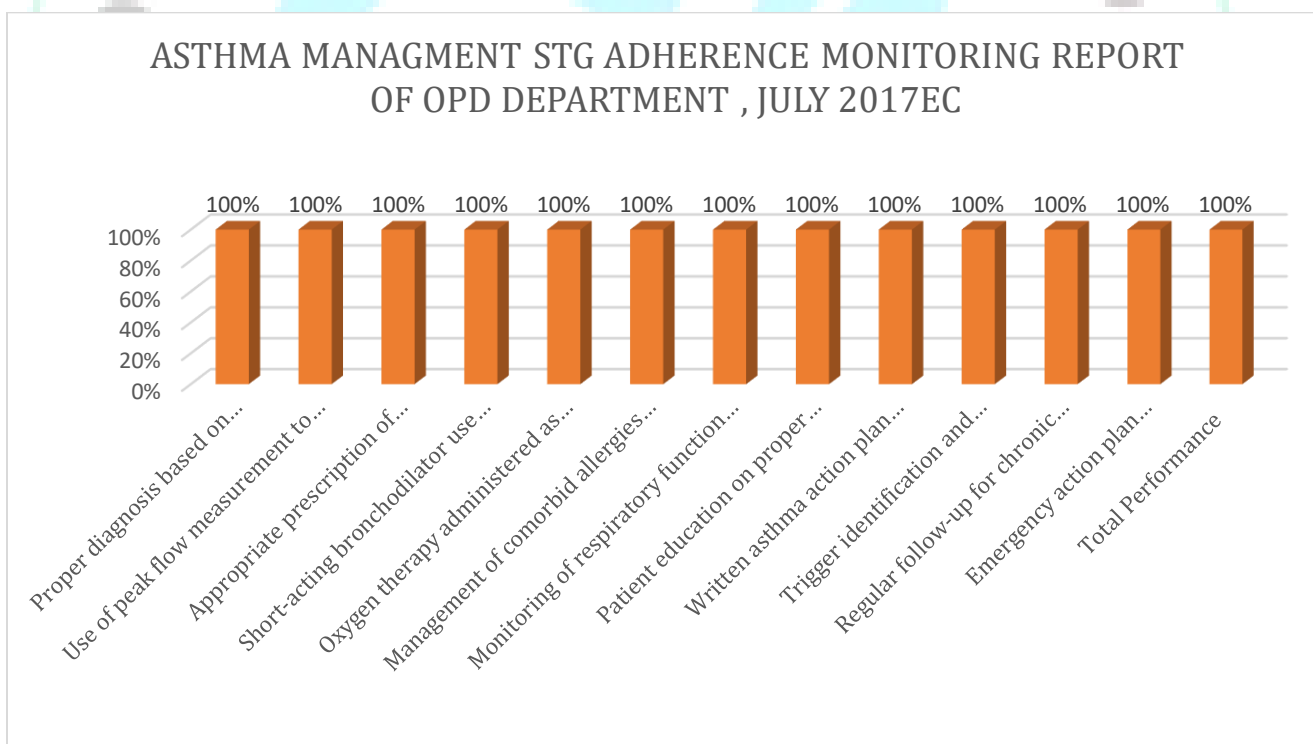
5. Results

Table 1: STG Adherence – Asthma Management (July 2017 E.C.)

S/N	Criteria	Compliant (Yes)	Non-Compliant (No)	Compliance (%)
1	Proper diagnosis based on symptom criteria	10	0	100%
2	Use of peak flow measurement to assess severity	10	0	100%
3	Appropriate prescription of inhaled corticosteroids	10	0	100%
4	Short-acting bronchodilator use during acute exacerbation	10	0	100%
5	Oxygen therapy administered as needed	10	0	100%
6	Management of comorbid allergies or conditions	10	0	100%
7	Monitoring of respiratory function during treatment	10	0	100%
8	Patient education on proper inhaler technique	10	0	100%

S/N	Criteria	Compliant (Yes)	Non-Compliant (No)	Compliance (%)
9	Written asthma action plan provided	10	0	100%
10	Trigger identification and avoidance counseling	10	0	100%
11	Regular follow-up for chronic asthma	10	0	100%
12	Emergency action plan documented and reviewed	10	0	100%
	Total Performance	120/120	0	100%

GRAPH: ASTHMA MANAGMENT STG ADHERENCE MONITORING REPORT OF OPD DEPARTMENT , JULY 2017EC



6. Discussion

The audit findings indicate that asthma management at Deder General Hospital is currently aligned with national STGs. The exceptional **100% compliance rate** across all parameters demonstrates that the department has not only implemented the protocols but also maintained a culture of accountability and quality assurance.

This performance is particularly noteworthy when compared with previous quarters, where **gaps were noted** in areas such as inhaler technique education and inconsistent use of inhaled corticosteroids. The resolution of those issues reflects successful implementation of action plans and the commitment of the clinical leadership team to evidence-based practice.

Additionally, the consistent provision of written asthma action plans and the structured documentation of emergency preparedness further underscore the facility's strength in chronic disease management. Such results reduce patient risk, hospital readmissions, and complications.

7. Previous Action Plan Implementation Status

Previous Gap Identified	Intervention Implemented	Status
Incomplete patient education on inhaler use	Hands-on training for clinicians and patient demonstrations	Fully Resolved
Irregular prescription of inhaled steroids	Reoriented staff on STG dosing and ensured drug availability	Fully Resolved

8. Recommendations

- Maintain ongoing clinical mentorship and refresher training for new staff.
- Introduce visual job aids and flowcharts for asthma management at points of care.
- Continue rewarding top-performing units to foster motivation and compliance.
- Incorporate asthma indicators into hospital-wide quality dashboards.
- Engage patients in asthma clubs or education sessions for better self-management.

9. Action Plan

Identified Priority Area	Planned Intervention	Responsible Team	Timeline
Maintain protocol adherence	Conduct quarterly audits and feedback sessions	QI Department, OPD	Ongoing
Reinforce patient inhaler education	Use standardized video/audio tools during visits	HLU	Immediate
Review emergency preparedness documentation	Add checklist review during routine follow-ups	Department Head Nurse	Monthly
Celebrate clinical success stories	Share best practice examples during staff meetings	QI & HR Teams	Quarterly

10. Conclusion

The audit results clearly confirm that the asthma care delivered at Deder General Hospital during the 4th quarter of 2017 E.C. was of high standard and fully compliant with national guidelines. The implementation of corrective measures from earlier findings has resulted in a 100% adherence rate across all key clinical indicators. Continued focus on education, auditing, and patient engagement will ensure this progress is sustained.

11. References

1. Ethiopian Ministry of Health (2016). **Standard Treatment Guidelines for General Hospitals**
2. WHO (2022). **Global Initiative for Asthma (GINA) Strategy Report**
3. Deder General Hospital Quality Improvement Office. Internal Audits, 2016–2017 E.C.
4. Institute for Healthcare Improvement (IHI). **Managing Chronic Illness at Facility Level**