

## Electronic Monitoring of Metered Dose Inhaler Use and Technique

Pay For Performance ●●●●●

The LifeLink system gives providers the ability to improve outcomes with **documented evidence**.

The ideal disease management tool for asthma and COPD patients. The MDILog electronically collects **compliance data** with **controller** medications and **usage data** with **rescue** medications.

- Records date and time of each medication use.
- Evaluates each patient's technique for inhaling, mixing and dispensing medication.
- Data is downloaded into a secure central repository via the LifeLink Docking Station resulting in a comprehensive analysis and graphical output of patient data.
- Provider defined alerts allow for more timely intervention resulting in fewer ER visits and hospital admissions.
- Patient may view feedback on screen or screen may be set to remain blank for blinded studies.
- The MDILog information may be used to select patients for clinical studies or to customize their care plans.



***Studies have shown that patients are more compliant when they receive continuous feedback on how well they are using their Metered Dose Inhaler medication.<sup>1</sup>***

***Better compliance and technique lead to improved patient outcomes and reduced healthcare costs.<sup>2</sup>***

1. M. Simmons, et al., "Trends in compliance with bronchodilator inhaler use between follow-up visits in a clinical trial", Chest, April 1996, 109(4): 963-8.

2. D. Griender, K. Loane, "Reduction in resource utilization by an asthma outreach program", Archives of Pediatric and Adolescent Medicine, 1995, 149: 415-420

## MDILog Data Analysis

### MDILog Dispensing Detail for Doe, John

Enrolled 2006-12-19 Phone (555) 888-8888 DOB 1991-12-11 Sex Male ID 0403E58888

From 07/12/2007 to 07/18/2007 Flovent HFA 1 puff BID

Date	Time	Shake	Inhale	Multiple Dispense
07/12/2007	08:07:49 AM	Yes	Yes	
	07:46:22 PM	Yes	Yes	
07/13/2007	06:27:03 AM	Yes	Yes	
	07:53:27 PM	Yes	Yes	
07/14/2007	08:11:31 AM	Yes	Yes	
	09:18:52 PM	Yes	None	
	09:19:43 PM	No	Yes	
07/15/2007	06:54:00 AM	Yes	Yes	
	07:16:14 AM	Yes	None	
07/17/2007	01:43:19 AM	Yes	None	Yes(2)
	07:31:26 PM	Yes	Yes	
07/18/2007	07:01:16 AM	Yes	Yes	
	07:37:52 PM	Yes	Yes	

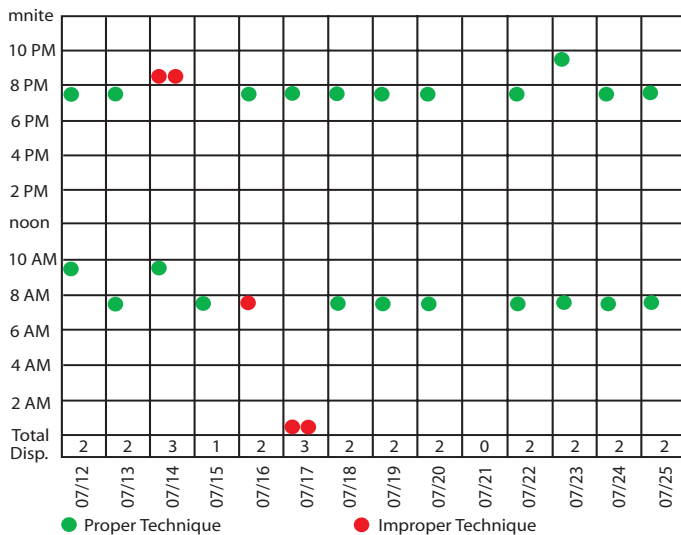
### MDILog Daily Dispense Detail Report

- Detailed event data for each medication dispensed.
- Assign multiple MDILogS to each patient.
- No system used in the treatment of asthma has been able to collect data with this level of comprehensiveness and accuracy.
- Selectable range for desired dates to be displayed.

### MDILog AM/PM Dispenses for Doe, John

Enrolled 2006-12-19 Phone (555) 888-8888 DOB 1991-12-11 Sex Male ID 0403E58888

From 07/12/2007 to 07/25/2007 Flovent HFA 1 puff BID



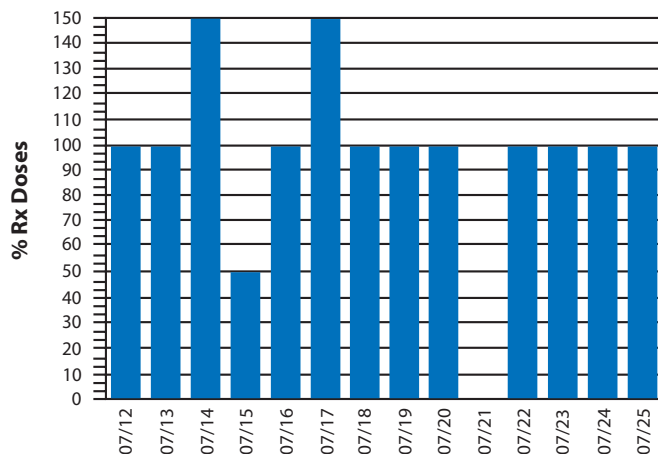
### MDILog AM/PM Report

- Quickly view and assess patient's dosing patterns.
- Color coded display to show proper and improper technique.
- Nocturnal asthma can be identified by time of rescue medication usage.
- Selectable range for desired dates to be displayed.

### MDILog Percent Compliance for Doe, John

Enrolled 2006-12-19 Phone (555) 888-8888 DOB 1991-12-11 Sex Male ID 0403E58888

From 07/12/2007 to 07/25/2007 Flovent HFA 1 puff BID



### MDILog Percent Compliance Report

- Quickly view the patient's medication compliance.
- Immediately identify the need for intervention.
- Selectable range for desired dates to be displayed.



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