

Portland VA Medical Center

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Medical Center

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Decreased Hemoglobin A1c Levels in VA Patients with Diabetes using Guided Conversation Group Visits

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Consortium**
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Objectives

- How changing the educational experience improves the patient engagement and consistency of the attendance
- Tools and strategies used to create the conversational experience
- Self reported pre and post surveys may not always reflect the observed learning experience and increased confidence level





Goal

- Decrease mean A1c level by 10%
- Patient identify own problem areas in DM management



The Beginning

2008

Patient Hemoglobin A1c's (HgbA1c)
and Diabetes (DM) Education practices were reviewed

20% of the diabetics I case manage had HgbA1c ≤ 9

Traditional VA educational methods were used



Traditional VA Methods

- During a regular provider visit
- Single 2-hour didactic presentation
- Individual telephone or clinic appointment with Nurse Care Manager
- And then there's the “drive-by” education



The Plan and the Pilot

- Cohort of 5-8 patients
- Each class 2 hours, one per month for four months(16wk total)
- Targeted patients with HgbA1c ≥ 9 and high-risk DM patients
- Each class session of the cohort covered different topic



Conclusion

- Very difficult to recruit patients
- Limited patient participation – very dependent on the make-up of the group
- Patients did not attend consistently
- While there was a slight drop in the mean HgbA1c's, it was decided to suspend the classes and re-evaluate at a later time. C



Why Try a Different Approach?

- Simple – the old approach wasn't working well, but the Pilot had shown some promise
- DM was still impacting our patients'
 - Quality of life
 - Personal productivity
 - Taking Financial and human toll



Teaching or Just Talking?

The VA focuses on patient driven care, and we needed to bring our education process to align with this.

We needed to go beyond the “Teaching/Talking” and involve the patient, encourage him to lead, and give him the tools to do so.



2010 The New Beginning

- Diabetes group appointments reinstated
- Modifications made
 - Meeting (class) intervals
 - Use of guided conversation and Motivational Interviewing techniques
 - “Stanford Self-Efficacy for Diabetes” confidence assessment tool



No more Teaching & Talking

- DM Conversation Map
- Motivational Interviewing Techniques
- Health Coaching Techniques



DM Conversation Map

- Collaboration between ADA and Merck Pharmaceuticals Education Division
- Series of 4 maps and conversation cards to encourage discussions
- Our patients responded well



TALK TO US TELL A FRIEND



Facilitator Login

Participant Login

Email Address

Password

LOG IN

Create a Facilitator Account

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Register for Facilitator Training

Conversation Map Programs

Healthy Interactions Blog



better living

through

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Motivational Interviewing

- Collaborative
- Person-centered
- Way to elicit and strengthen motivation for change
- Utilizes the ‘stages of change’





Health Coaching

- Patient has right to choose
- Ask before telling
- Help pt set a goal -
- Create a plan
- Partnering





How they work together

- Conversation map as the “starter”, the platform
- Understanding the patient’s readiness for change and what it means to him
- Making the tools available for him to thoughtfully make choices for his life
- All a part of patient’s sense of control and feelings of self-efficacy in managing his DM



Results of increased confidence, knowledge

- Twenty-three enrollees in for separate cohorts
- Seventeen “pre-tests” and five “post-tests” returned
- Greatest increased confidence in
 - When provider visit needed
 - Knowing how to manage hypoglycemia



Stanford Patient Education Research Center – Self Efficacy for Diabetes

Patients rated themselves on their own level of confidence regarding each activity from 1 (not at all confident) to 10 (totally confident).

	Pretest N = 17	Posttest N = 5	Change
1. How confident do you feel that you can eat your meals every 4-5 hours every day, including breakfast every day?	7.2	7.8	+ 0.6
2. How confident do you feel that you can follow your diet when you have to prepare or share food with other people who do not have diabetes?	6.6	5.6	- 1.0
3. How confident do you feel that you can choose the appropriate foods to eat when you are hungry (for example, snacks)?	6.0	6.4	+ 0.4
4. How confident do you feel that you can exercise 15 to 30 minutes, 4 to 5 times a week?	5.2	5.2	0
5. How confident do you feel that you can do something to prevent your blood sugar level from dropping when you exercise?	7.0	7.0	0
6. How confident do you feel that you know what to do when your blood sugar level goes higher or lower than it should be?	7.4	9.0	+ 1.6
7. How confident do you feel that you can judge when the changes in your illness mean you should visit the doctor?	7.1	9.0	+ 1.9
8. How confident do you feel that you can control your diabetes so that it does not interfere with the things you want to do?	6.4	7.4	+ 1.0
Sum	52.9	57.4	
Mean	6.6	7.2	



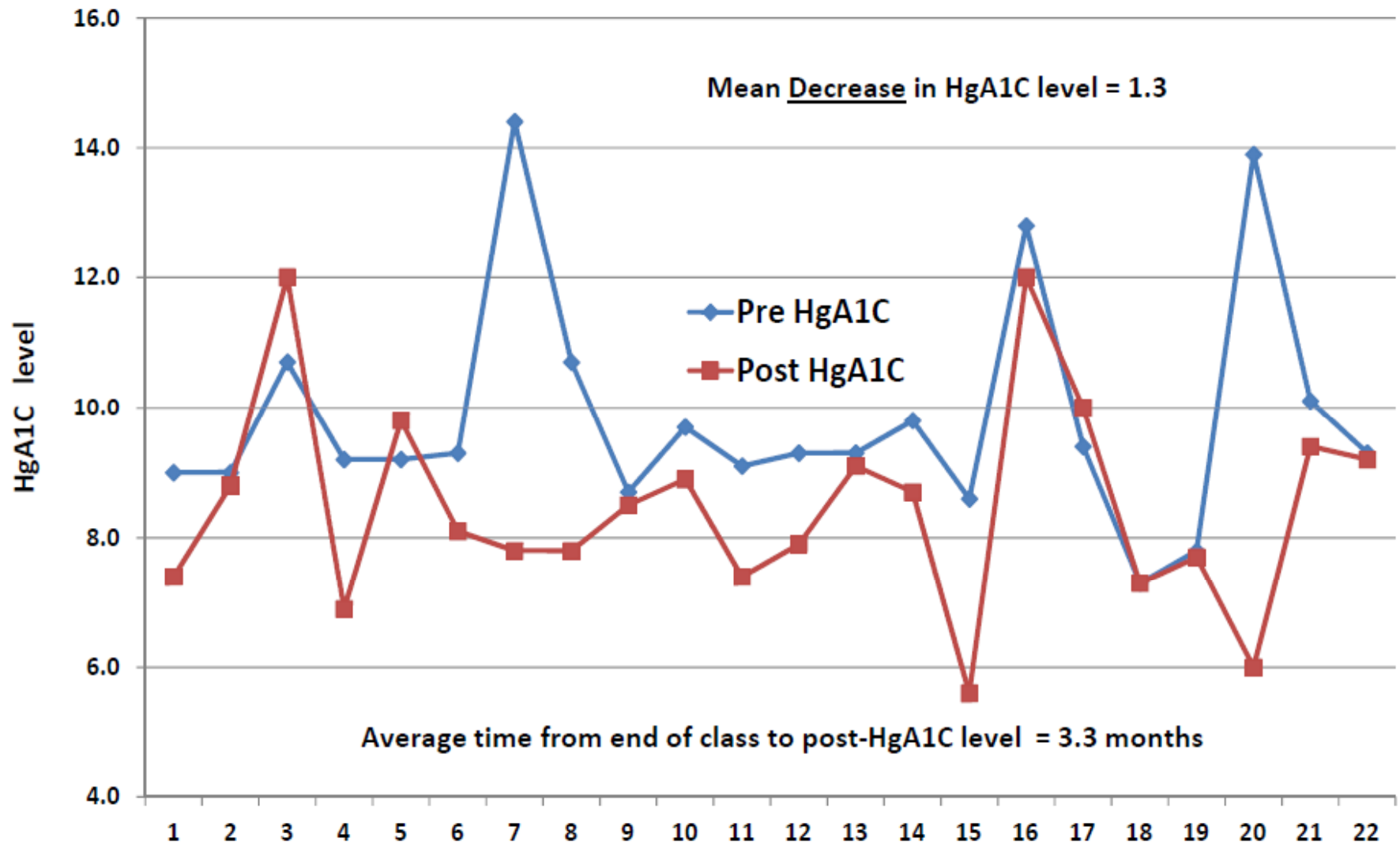
Results of HgA1c testing

- HgbA1c's
 - within 1 mo prior to Session #1
 - 0-7.5 months following session #4

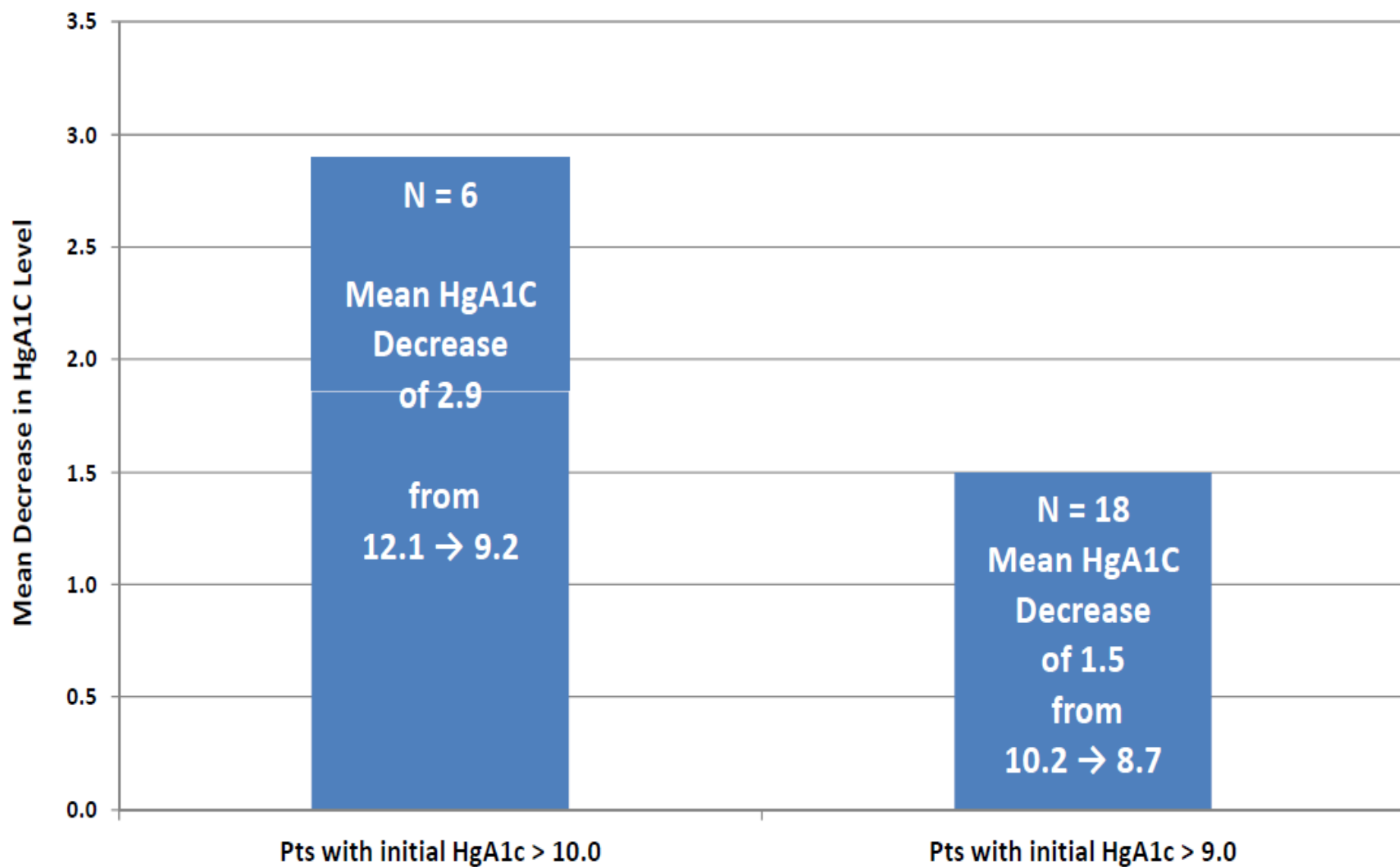
Twenty-two patients had both pre- and post-HgA1c's



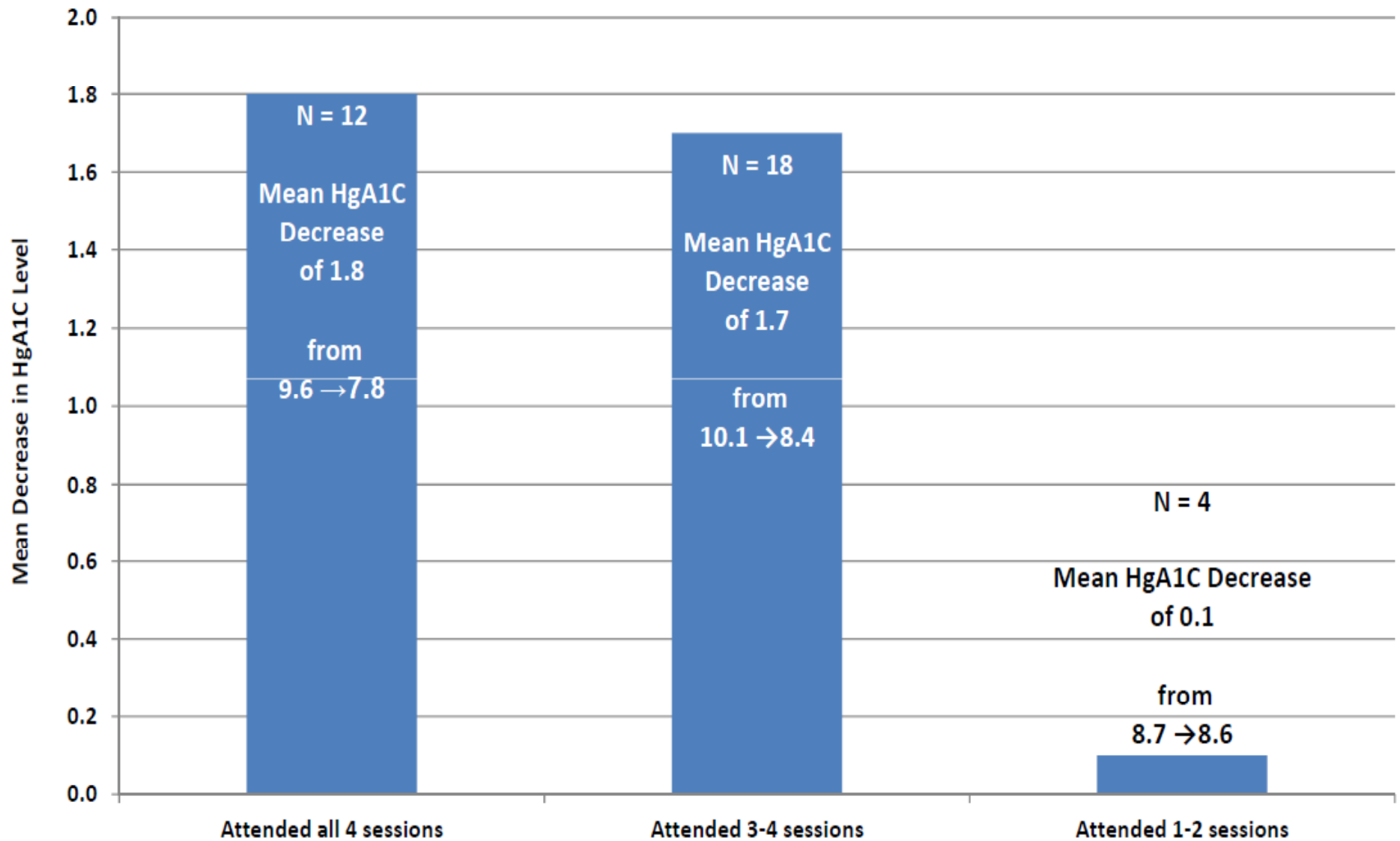
**PVAMC Primary Care - Salem Clinic
Diabetes Conversation Map Group Visits
Individual Patient HgA1C Levels (N=22)
Jan -Sept 2011**



PVAMC Primary Care - Salem Clinic
Diabetes Conversation Map Group Visits
Patients Grouped by Initial HgA1C Level (N=23)
Jan - Sept 2011



**PVAMC Primary Care - Salem Clinic
Diabetes Conversation Map Group Visits
Session Attendance and HgA1C Levels (N=23)
Jan - Sept 2011**





Summary

- **The beginning –**
 - In 2008, 20% of the panel of patients I case manage had HgbA1c's ≥ 9
 - Traditional education methods used
- **The journey –**
 - Targeted patients with HgA1c ≥ 9.0
 - Change the educational experience to encourage increased patient engagement
- **The destination –**
 - Increase self-management of DM using guided conversation resulting in decreased mean HgA1c of 10%





Lessons learned

- What has worked for us
- What else we would change
- What other factors/variables should be considered



