

- Hello and welcome to the learning series for eDOCSNL Practice 360: Diabetes Smart Tools for Care.
- Practice 360 is an ongoing eDOCSNL initiative designed to increase clinical value and practice efficiencies in the Med Access EMR for users in Newfoundland and Labrador. The diabetes tools you will see today are the first of many chronic disease management tools that will be developed by the program in the coming months.
- eDOCSNL has partnered with Diabetes Canada and provincial advisory groups on the development of an EMR toolset that aligns to the National Diabetes Clinical Practice Guidelines. This is a first of its kind initiative that Newfoundland and Labrador and our care providers are leading
- In this presentation we will introduce the components of the toolset and give you some idea as to why you might want to use them for the care and monitoring of the people with diabetes or pre-diabetes in your practice.
- Please keep in mind that all screenshots seen in this presentation are taken from a test system, so the content may not exactly reflect what you see in your own EMR but be assured the final product will be supported with all the necessary information to ensure you have absolute clarity and knowledge on how to use the toolset effectively in your practice.



The practice 360 Diabetes toolset is comprised of three main elements: a visit documentation template, a care plan and a practice management reporting dashboard.

We will explore each of these in brief in the following slides and in more detail in other videos in this series.

The elements of this intuitive toolset are mutually reinforcing and facilitate the monitoring and delivery of guidelines-based care of your diabetic patients using advanced features of the Med Access solution.



The Practice 360 Diabetes tools support the ABCDES of Diabetes Canada's clinical practice guidelines by providing documentation, clinical decision support and education for all the critical elements of the guidelines identified by diabetes Canada.

	≤7.0% (or ≤6.5% to ↓ risk of CKD insulin or insulin secretagogue,	and retinopathy) assess for hypoglycemia and ensure driving safety
Visit Template		Dashboard
HbA1c/TOTAL HEMOGLOB		A1C Outdated (>than 6 mos) or no Result
Hypoglycemic episodes reported Yes		
Hypoglycemic episode details	DM: I	Last A1C>7.0%
Has patient experienced severe Oves Ono hypoglycemia? Hypoglycemic episodes per week		
Hypoglycemia patient handout Patient Education	<u>n: Hypoglycemia</u>	
nis patient has multiple A1c i	readings over 7.0, cons	ider med adjustment
	_	

A1c targets are reinforced at the patient level by the visit template which increases visibility into the current and historical A1c values for the current patient and alerts providers when the patient has poor A1c control.

The care plan and associated goals allow the provider a similar quick-glance visibility of A1c status and alerts when values are outside of normal range or overdue for measurement according to beat practice guidelines.

The reporting dashboard provides a population level overview of patients whose A1c falls outside normal values or outside the acceptable measurement interval as determined by the Diabetes Canada guidelines.

	Α	A1C targets	A1C ≤7.0% (or ≤6.5% to ∔ risk If on insulin or insulin secreta	agogue, assess for hypoglycemia and ensure driving safety
			Care Pl	lan
<mark>√</mark> La Activ	bs /e Req	uests		
<b>~</b>		Date	Test Group Name *eDOCSNL q3 Monthly HbA1c	Description Lab, Diabetes Labs 3 Months, g3 Monthly HbA1c, *eDOCSNL g3 Monthly
		18Jun21 02:15 PM	edocsne ds monthly hbare	HbA1c
~	1.1	18Jun21 02:15 PM	*eDOCSNL Diabetic Annual Labs	Lab, Diabetes Lab Annual, Annual Diabetic Labs, *eDOCSNL Diabetic Annual Labs
			Goals	
			Active Goals Goal Name Last Date Las HbA 03Sep2020 7.5	t Value Next Due Overdue

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	BP targets	BP <130/80 mmHg If on treatment, assess for risk of falls	]
v	'isit Template	Dashbo	pard
Blood Pressure	BP mm Ha	DM with Elevated BP in the I	_ast Year
<b>ή</b> .	BP mm Hg		_
		Goals	
		Active Goals	Overdue 👩
	Care Plan	<u>• HbA1c/TOTA</u> 8.5	Overdue 👸
		BP diastolic 70	30Mar2022 👸
		BP systolic 180	04Jun2022 🔒

The visit template allows for multiple blood pressure readings in a single visit if required, as well as allowing visibility into the historical BP values for the current patient.

The reporting dashboard provides a population level overview of diabetic patients with elevated blood pressure measurements in the last year.

C Cholesterol targets LDL-C <2.0 mmol/	'L (or >50 % reduction from b	aseline)
Visit Template         CHOLESTEROL IN LDL 2.5         Click here to complete Framingham Risk Score	Statin ACEI/ARB Antiplatelet Agent     Consider candidacy for SGL     CV Medication Adherence/Comments	Indicated Continue Indicated Start No - not appropriate No - Pt. refused No - unable to afford Recommended
Statin therapy should be used to reduce CV risk in adults the following features: 1. Clinical CVD 2. Age>40 Years 3. Age<40 years and 1 of the following: • Diabetes duration>15 years and age>30 years • Microvascular complications	s with type 1 or type 2 diabetes wi	th any of

LDL targets are reinforced at the patient level by the visit template which increases visibility into the current and historical LDL values for the current .

The care plan and associated goals allow the provider a similar quick-glance visibility of LDL status and alerts when values are outside of normal range or overdue for measurement according to beat practice guidelines.

The reporting dashboard provides a population level overview of patients whose LDL falls outside normal values as determined by the Diabetes Canada guidelines.

	C Cholest	erol targets LDL-C <2.0 mmol	/L (or >50 % reduction from baseline)
E	Dashbo	pard	Care Plan
	omorbidities		Goals
	M with CAD eDOCSN M with Hyperlipidemia	L DM with CVD	Active Goals         Goal Name       Last Date       Last Value       Next Due         LDL Chol       13Jun2018       1.8       Overdue
DOCSNL D	M with Hyperlipidemia	L DM with CVD	Goal Name Last Date Last Value Next Due
eDOCSNL D ▼La	M with Hyperlipidemia bs /e Requests Date	Test Group Name	Goal Name Last Date Last Value Next Due LDL Chol 13Jun2018 1.8 Overdue
eDOCSNL D ▼La	M with Hyperlipidemia bs /e Requests		Goal Name Last Date Last Value Next Due LDL Chol 13Jun2018 1.8 Overdue
eDOCSNL D VLa Activ	M with Hyperlipidemia	Test Group Name	Goal Name Last Date LDL Chol 13Jun2018       Last Value Overdue         Description Lab, Diabetes Labs 3 Months, q3 Monthly HbA1c, *eDOCSNL q3 Monthly

LDL targets are reinforced at the patient level by the visit template which increases visibility into the current and historical LDL values for the current .

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D Statin (if CVD, age ≥ ASA (if CVD) (Antihyperglycemic A SGLT2i/GLP1RA with	ge ≥55 with risk factors, OR diabetes complications) 40 for type 2, OR diabetes complications) gents) h demonstrated cardiorenal benefits in high risk type 2 with ASCVD, years with 2 CV risk factors
Statin       No - not appropria         ACEI/ARB       Indicated: Start         Antiplatelet Agent       Over set	Dashboard DM Active Medications
Patients are considered at risk for CVD if any of the following apply:  Age>40 years  Constraint of Diabetes >15 years and agras >30 years  Constraint of Diabetes >15 years and agras >30 years  Constraint of the diabetes	eDOCSNL DM 0 Active Rx eDOCSNL DM 10+ Active Rx
Click here for Special Authorization for SGLT-2/GLP-1	ents in Patients with Type 2 Diabetes and High CVD risk 🚍

The eDOCSNL Diabetes visit template highlights CV risk and reminds providers to consider the best practice guidelines for medical management of diabetes. The template also provides easy access to the necessary special authorization form for drug coverage for glycemic agents indicated for high CV risk patients. The reporting dashboard provides a population level overview of medical management for the provider's diabetic population.

E	Exercise goals and healthy eating	2-3 times/week		rigorous aerobic activity/ week and resistance exercises n (eg Mediterranean diet, low glycemic index)
				Nutrition / Diet review No Yes Nutrition Score 1. Follows as recc V Nutrition Notes
	Visit Templ	ate	Ø	Socioeconomic Obstacles to No Yes Guidelines-based Care Patient referred to dieticany No Yes Physical Activity No Yes Exercise Score 4. Able but no atte V Physical Activity Notes
				Obstacles to exercise 3. Lifestyle choice >

The diabetes visit template encourages physicians to review exercise and nutrition with patients.

There is an extensive reference library attached to the template as well with many educational resources for patients, including materials on the topic of lifestyle choices and management of diabetes.

The care plan encourages referral to Diabetes management programs which educate patients and promote a healthy lifestyle supportive of best practice management of diabetes.

S creening for complications	<ul> <li>Cardiac: ECG every 3-5 years if age &gt;40 OR diabetes complications</li> <li>Foot: Monofilament/Vibration yearly or more if abnormal</li> <li>Kidney: Test eGFR and ACR yearly, or more if abnormal</li> <li>Retinopathy: type 1 - annually; type 2 - q1-2 yrs</li> </ul>
Visit Template	Dashboard
No ECG recorded in this patient's chart in the instantian of the second	Iast 5 years         DM Chronic Kidney Disease         eDOCSNL DM Urine Protein Testing Overdue         eDOCSNL DM eGFR Testing Overdue
Diabetic Nephropathy No Yes Diabetic Retinopathy No Yes Diabetic Neuropathy No Yes	DM: Annual Foot Exam Overdue
Solution       This diabetic patient has not had a foot         Solution       Click here to complete Diabetic Foot Examples         Diabetic Foot Exam Video Diabetic Foot	ram 💂

Screening for complications is one of the strengths of the eDOCSNL Practice 360 diabetes tools.

There are several clinical decision support triggers built into the template specific to screening for diabetic complications, including CV risk and diabetic neuropathy. As a compliment to these alerts, the tools and educational resources to manage the patient are built directly into the template as well as the opportunity to directly add diagnoses to the patients medical profile, which can enable further software functionality and is data that is necessary to populate the reporting dashboard. The goals activated through the eDOCSNL Diabetes care plan also support the at-a-glance assessment of progress with monitoring patients for complications and visual reminders of overdue notices for these screening elements.

Finally, the diabetes reporting dashboard provides a population-level view of information relevant to the complications of diabetes in your diabetic patient population.

	s	Screening for complications	• Foot • Kidn	: Monofilame ey: Test eGFF	y 3-5 years if age a nt/Vibration yearly and ACR yearly, o 1 - annually; type		
				Care	Plan		
∠Labs							
Active Rec	Date	Test Grou			Description		
	18Jur 02:15		_ q3 Monthly	HbA1c	Lab, Diabetes La HbA1c	bs 3 Months, q3 Monthly HbA1c, *eD	OCSNL q3 Monthly
			Diabetic An	nual Labs	Lab, Diabetes La Annual Labs	b Annual, Annual Diabetic Labs, *eDC	CSNL Diabetic
■ 淡 1	8Jun21 No	ormal 🚫 👶			Ophthalmologist	Consult, Ophthalmologist, Diabetes	Ophthalmology Refer
	Goal	S				=	1
		e Goals					]
	Goal N	<b>lame</b> hthalmologist		Last Date 03Mar2020	Last Value	Next Due Overdue	
	• Dia	abetic Foot Exam Cor	npleted	12Jun2020	Yes	12Jun2021	

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	S	Smoking cessation	If smoker: Ask pe	ermission to	give advice, arrange	therapy and provide support
		Visit Template	2		D	ashboard
Rev	view o	<u>of Smoking</u> ●Show Status		D	A Creaking Stat	
	Sn	noking status	~		M Smoking Stat	us
		Quit Date dd-MMM-yyyy		el	OOCSNL DM Current	ly Smoking
•	Pack	Year Calculator Pack Year Calc	ulator	el	DOCSNL DM Smokin	g Status Not Recorded in Profil
		Pack Years		•		
Sm	oking C	essation Advice	~			
c	essatio	n Aid Discussed Ves No		C	urrent: 46%	
Smokir		Quit Now Quit Now w info provided ation Reference: <u>Effects of Stopp</u>	pina Smokina on FEV1		Rest of *eDOCSNL DM Population: 54.2%	eDOCSNL DM Currently Smoking: 45.8%
s		ult to Smokers Helpline 🚎	<u></u>			
5		Helpline Weblink <u>Smoker's Helpl</u>	ine Website			

Providers are prompted to discuss smoking status and provide smoking cessation advice, with embedded tools to support the patient with existing services. The diabetes reporting dashboard alerts providers to the proportion of and identity of their diabetic patients who smoke and also highlights diabetic patients for whom the provider has not reviewed smoking status. You can't manage what you aren't aware of!



Using the eDOCSNL tools, patients are empowered for self-management. Providers are prompted to review mental health status, with associated scoring tools, and discuss self management with the patient.

The extensive resource library attached to the visit template supports patient education and self-management.



The components of the toolset are mutually reinforcing and address the ABCDES of guidelines-driven diabetes care.

The documentation template provides all the information to make point of care decisions while automating normally manual tasks, standardizes data input so that the software can enable other features providing clinical value and supports the creation of a data set for providers that can inform population level management. The care plan populates chart information, patient goals and tasks in an efficient way that makes ongoing guidelines-based care and monitoring seamless.

The data generated by standardized documentation supported by the patient level tools and visit template informs the diabetes dashboard and gives providers a population-level view of diabetes in their practice.

This aligns with the eDOCSNL Practice 360 approach of using the intelligent and standardized features of the EMR to support and evaluate guidelines based care, presenting providers with the information they need for best practice decision making. Data provided by the EMR through the Practice 360 tools will enable the evaluation and refinement of guidelines and supports health system changes that will benefit the diabetic patients of Newfoundland and Labrador.



- Thank you for viewing this presentation on the Practice 360: Diabetes Toolset, a collaborative initiative of eDOCSNL and Diabetes Canada
- For more detail on each component of the toolset and for information on how to prepare your EMR instance to fully utilize the tools, please review the remainder of the presentation series which can be found on the eDOCSNL website at eDOCSNL.ca under the Practice 360 tab.