

Getting Started

Installation Refer to the **PCS Clinical Audit Tool®** Quick Reference Guide for installation instructions and an overview of CAT features.

CKD Graph

Overview Target population is patients >= 15 years with a CKD diagnosis and without a history of renal dialysis or kidney transplant¹

CKD Management Graph

A stacked bar chart showing the % of patients that have a recorded value for each of the management items: Blood Pressure, BMI, HbA1c (if Diabetic), LDL, Total Cholesterol, Smoking, ACE/ARB prescribed, Statin prescribed.

Dark Green = Recorded

Light Green = Recorded and at target²

Light Green = Recorded and not at target

Red = Not Recorded



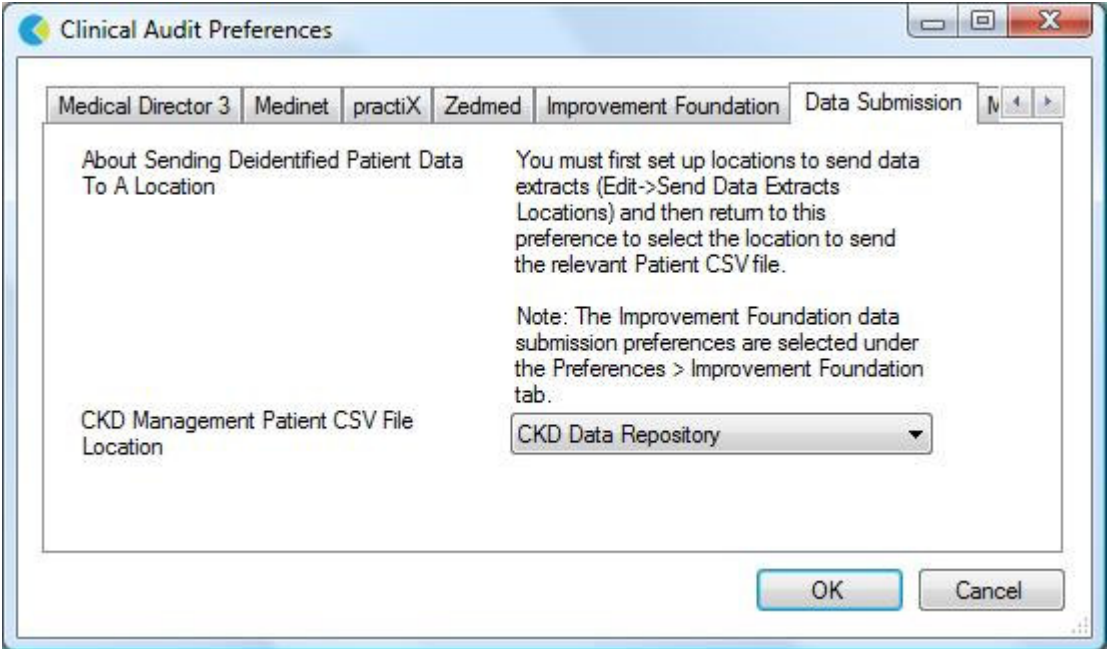
¹ Refer to diagnosis codes at the end of this guide

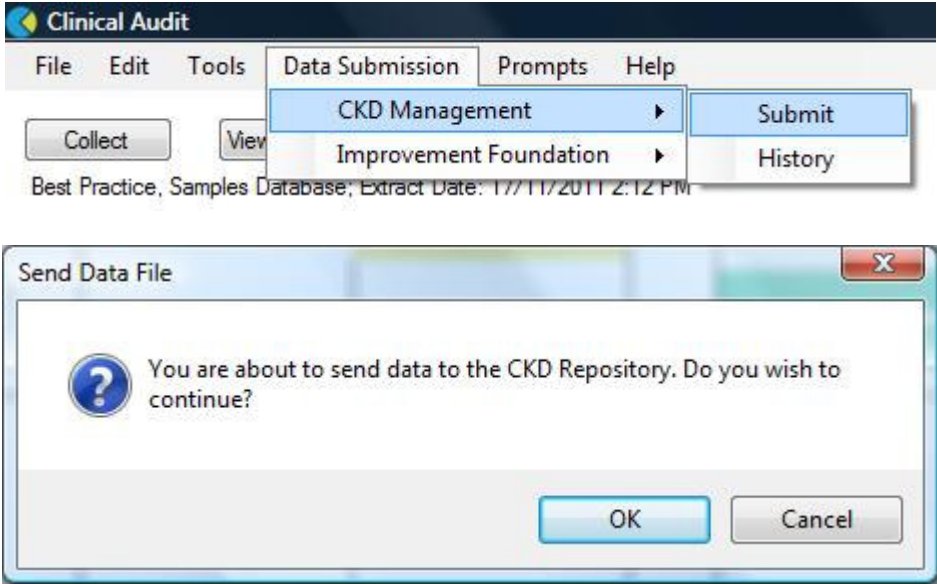
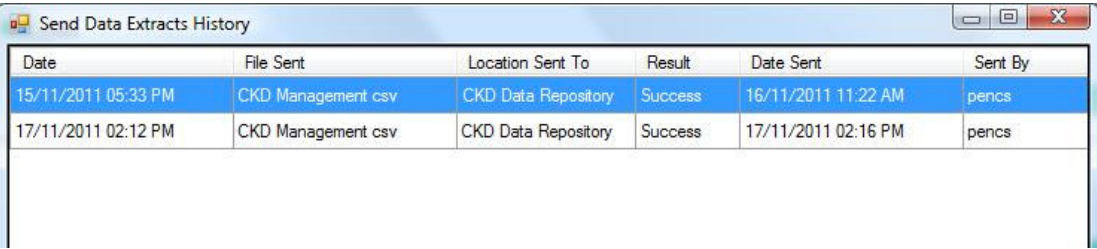
² Refer to target values at the end of this guide

<p>CKD Management Graph > Worksheet</p>	<p>The worksheet provides a report of all the management items for the target population.</p> <p>From the CKD Management Graph</p> <ul style="list-style-type: none"> • Tick 'Select All' • Click 'Worksheet' <p>Some additional items of relevance are included: ACR, eGFR and Diabetes diagnosis.</p>	<p>Reidentify Report [patient count = 6] - CKD MANAGEMENT WORKSHEET</p> <p>Selected: CKD Management (BP: Not Recorded, BMI: Not Recorded, LDL: Not Recorded, Tchol: Not Recorded, Smoking: Not At Target, ACE/ARB: Recorded, Statin: Recorded, Statin: Not Recorded, ACE/ARB: Not Recorded, BP: Not At Target, LDL: Not At Target, Tchol: Not At Target, BMI: At Target, BMI: Not At Target, HbA1c: At Target, LDL: At Target, Tchol: At Target, HbA1c: Not At Target, BP: At Target, Smoking: At Target)</p> <table border="1"> <thead> <tr> <th>ID</th> <th>Surname</th> <th>First Name</th> <th>Sex</th> <th>D.O.B</th> <th>ACR</th> <th>eGFR</th> <th>BP</th> <th>BMI</th> <th>Diabetes</th> <th>HbA1c</th> <th>LDL</th> <th>TCHOL</th> <th>Smoking</th> <th>ACE/ARB</th> <th>Statin</th> </tr> </thead> <tbody> <tr> <td>6680</td> <td>BO6680</td> <td>B6680</td> <td>M</td> <td>06/02/1930</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ex Smoker</td> <td>√</td> <td>√</td> </tr> <tr> <td>13497</td> <td>Lo13497</td> <td>Y13497</td> <td>M</td> <td>10/01/1927</td> <td></td> <td></td> <td>123/65</td> <td>26.17</td> <td>Y</td> <td>7.2</td> <td>1.8</td> <td>3.6</td> <td>Never Smoked</td> <td>√</td> <td>√</td> </tr> <tr> <td>14227</td> <td>Lo14227</td> <td>G14227</td> <td>M</td> <td>20/02/1933</td> <td></td> <td></td> <td>133/66</td> <td>27.12</td> <td></td> <td></td> <td>2.1</td> <td>3.2</td> <td>Ex Smoker</td> <td>√</td> <td>√</td> </tr> <tr> <td>1602</td> <td>Ma1602</td> <td>M1602</td> <td>F</td> <td>17/12/1949</td> <td></td> <td></td> <td>151/89</td> <td>23.69</td> <td></td> <td></td> <td>4.0</td> <td>6.6</td> <td>Ex Smoker</td> <td></td> <td></td> </tr> <tr> <td>28336</td> <td>ON28336</td> <td>S28336</td> <td>M</td> <td>13/06/1941</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ex Smoker</td> <td>√</td> <td></td> </tr> <tr> <td>2360</td> <td>Wa2360</td> <td>L2360</td> <td>M</td> <td>09/01/1927</td> <td>57.60</td> <td></td> <td>999/69</td> <td>29.91</td> <td>Y</td> <td>6.0</td> <td>2.4</td> <td>3.8</td> <td>Ex Smoker</td> <td></td> <td>√</td> </tr> </tbody> </table> <p>Extract Details: Practice Name: MELB2-234 Medical Director, version 3 Extract Date: 15/11/2011 Patient Count: 13026 Printed: 16/11/2011 4:49 PM Clinical Audit - Not Published(3.1.999.6) - Pen Computer Systems Pty Ltd</p>	ID	Surname	First Name	Sex	D.O.B	ACR	eGFR	BP	BMI	Diabetes	HbA1c	LDL	TCHOL	Smoking	ACE/ARB	Statin	6680	BO6680	B6680	M	06/02/1930									Ex Smoker	√	√	13497	Lo13497	Y13497	M	10/01/1927			123/65	26.17	Y	7.2	1.8	3.6	Never Smoked	√	√	14227	Lo14227	G14227	M	20/02/1933			133/66	27.12			2.1	3.2	Ex Smoker	√	√	1602	Ma1602	M1602	F	17/12/1949			151/89	23.69			4.0	6.6	Ex Smoker			28336	ON28336	S28336	M	13/06/1941									Ex Smoker	√		2360	Wa2360	L2360	M	09/01/1927	57.60		999/69	29.91	Y	6.0	2.4	3.8	Ex Smoker		√
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Sending CKD Data to the Repository

<p>CKD CSV File</p>	<p>Sending data to the CKD Repository requires the user to have a licence code for this functionality switched on. The functionality described in this section will only be visible if the user has the licence code.</p> <p>The CKD CSV file is created when a CAT extract file is loaded. It is saved in the same folder as the CAT extract file.</p> <p>Data items included in the file are: Patient ID, Practice ID, DOB, Postcode, Gender, ATSI, Smoking status, Diagnosis List, Medications List, BMI/Date, ACR/Date, eGFR/Date, LDL/Date, TCholesterol/Date, BP/date</p>
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<p>Configuring the Repository Location</p>	<p>Step 1: From the CAT menu choose Edit > Send Data Extracts Locations</p> <p>Type Location Name = CKD Data Repository</p> <p>Configuration parameters will be advised to users with a licence code.</p>	
	<p>Step 2: From the CAT menu choose Edit > Preferences Click the Data Submission tab</p> <p>Select the CKD Data Repository location you have configured in the 'CKD Management Patient CSV File Location' drop down list. This is the location the file will be sent to.</p> <p>Click OK</p>	

<p>Sending the Data</p>	<p>From the CAT menu choose Edit > Data Submission Choose the CKD Management submenu Click Submit</p> <p>You will be prompted to continue Click OK</p> <p>You will be notified when the submission had completed successfully or if there has been an error.</p>																			
<p>Data Submission History</p>	<p>From the CAT menu choose Edit > Data Submission Choose the CKD Management submenu Click History</p> <p>You will be able to view all the submissions you have made.</p> <p>This screen also provides a message column that displays a success if submission was sent or an error message if the submission failed.</p>	 <table border="1" data-bbox="848 865 1938 971"> <thead> <tr> <th>Date</th> <th>File Sent</th> <th>Location Sent To</th> <th>Result</th> <th>Date Sent</th> <th>Sent By</th> </tr> </thead> <tbody> <tr> <td>15/11/2011 05:33 PM</td> <td>CKD Management csv</td> <td>CKD Data Repository</td> <td>Success</td> <td>16/11/2011 11:22 AM</td> <td>pencs</td> </tr> <tr> <td>17/11/2011 02:12 PM</td> <td>CKD Management csv</td> <td>CKD Data Repository</td> <td>Success</td> <td>17/11/2011 02:16 PM</td> <td>pencs</td> </tr> </tbody> </table>	Date	File Sent	Location Sent To	Result	Date Sent	Sent By	15/11/2011 05:33 PM	CKD Management csv	CKD Data Repository	Success	16/11/2011 11:22 AM	pencs	17/11/2011 02:12 PM	CKD Management csv	CKD Data Repository	Success	17/11/2011 02:16 PM	pencs
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Diagnosis Codes	
CKD	<p>Chronic Kidney Disease - Stage 1 Chronic Kidney Disease - Stage 2 Chronic Kidney Disease - Stage 3 Chronic Kidney Disease - Stage 4 Chronic Kidney Disease - Stage 5 CKD (Chronic Kidney Disease) Stage 1 CKD (Chronic Kidney Disease) Stage 2 CKD (Chronic Kidney Disease) Stage 3 CKD (Chronic Kidney Disease) Stage 4 CKD (Chronic Kidney Disease) Stage 5 Kidney Disease - Chronic - Stage 1 Kidney Disease - Chronic - Stage 2 Kidney Disease - Chronic - Stage 3 Kidney Disease - Chronic - Stage 4 Kidney Disease - Chronic - Stage 5 Kidney failure - chronic</p> <p>Chronic Renal Failure Chronic Renal Failure - Hyperparathyroidism Renal Disease - Chronic - Stage 1 Renal Disease - Chronic - Stage 2 Renal Disease - Chronic - Stage 3 Renal Disease - Chronic - Stage 4 Renal Disease - Chronic - Stage 5 Renal insufficiency – chronic Dialysis - haemodialysis Haemodialysis Hemodialysis Renal dialysis</p>
Renal Dialysis	<p>Dialysis - haemodialysis Haemodialysis Hemodialysis Renal dialysis</p>
Kidney Transplant	<p>Kidney transplant Renal transplant Surgery - Kidney transplant Transplant - kidney</p>

Management Item Targets		
Item	Target	Timeframe
Blood Pressure	If ACR in last 12 months > 3.5 mg/mmol female or > 2.5 mg/mmol male: BP ≤ 130/80 mmHg Otherwise: BP ≤ 140/90 mmHg	BP in last 12 months ACR in last 12 months (Note if ACR is not recorded or older than 12 months then BP is checked against 140/90 target value)
BMI	18.5 – 24.9	Weight in last 12 months Height recorded
HbA1c	If Diabetic: < 7%	HbA1c in last 12 months
LDL	< 2.5 mmol/L	LDL in last 12 months
Total Cholesterol	< 4.0 mmol/L	Total Cholesterol in last 12 months
Smoking	Non smoker, never smoked or ex smoker	Smoking recorded