

**Appendix 4** (as supplied by the authors): Key features of the COMPETE II Diabetes Tracker (CIIDT)

Patient and physician version of Diabetes Tracker	<ul style="list-style-type: none"> <li>- Identical information except that advice for patients presented in lay terminology.</li> <li>- Main tracker page displayed 13 monitoring variables: the patient's recent values for process (when last checked) and outcome (the result), target values for both, and short advisory messages.</li> <li>- Tab links to additional resources provided.</li> </ul>
Colour coding of patient results	<ul style="list-style-type: none"> <li>- Green highlighting if both the timing and the value of the variable were within target.</li> <li>- Red if both timing and value are off target.</li> <li>- Yellow if one or the other was off target.</li> </ul> <p>(see Appendices 1 and 2)</p>
Flexibility of information presentation	<ul style="list-style-type: none"> <li>- Individual tracker pages could display the patient's complete list of all 13 variables, or the "top 3" variables ordered in priority according to which needed the most attention.</li> <li>- Physicians could also access a "population view" of their consented patients, each with their most recent tracker variables colour-coded. This view allowed ordering by colour and variable, to allow for immediate focus on reds (off target).</li> </ul>
Timeliness	<ul style="list-style-type: none"> <li>- Tracker pages, including all monitoring data and recommendations were updated nightly and were available for review during the patient visit.</li> </ul>
Integration with EMR and workflow	<ul style="list-style-type: none"> <li>- The CIIDT system was designed to integrate with any EMR, as a "view only" overlay in the upper right corner of the EMR screen. This eliminated duplicate data entry and preserved the primacy of the physicians' EMRs as their medicolegal record.</li> <li>- Integration used standardized XML specifications.</li> </ul>
Trend analysis	<ul style="list-style-type: none"> <li>- Variables could be displayed in graphical format.</li> </ul>
Patient data entry	<ul style="list-style-type: none"> <li>- Patients had the option of personal data entry; included blood pressure, exercise, diet and smoking status.</li> </ul>