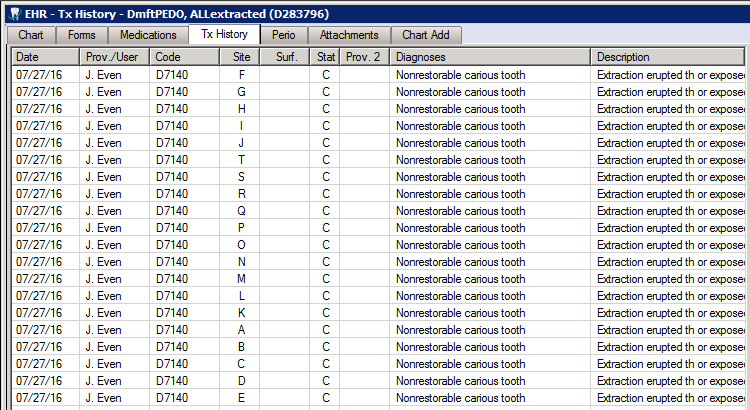
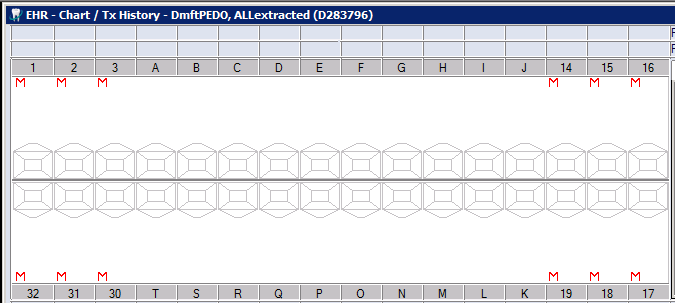
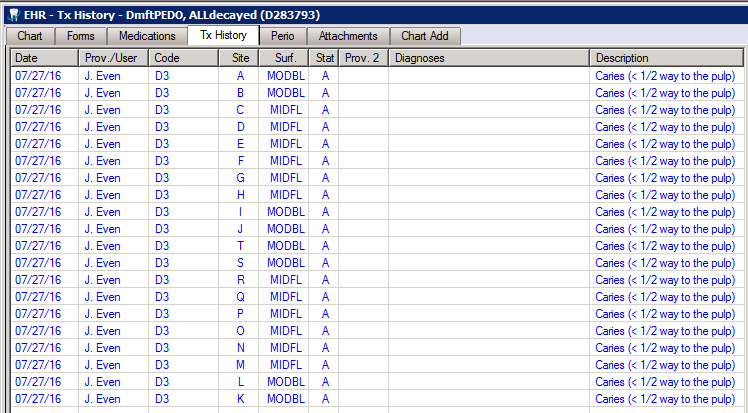
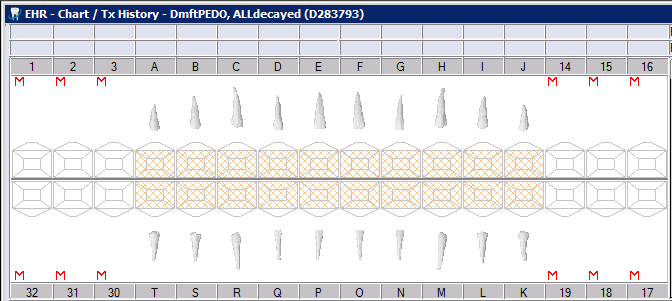
Supplementary Table 1: Caries Indices and Tooth/Surface Counts (N=36) using VERDICT and using CARIN with SAS (N=24).

|  |  |  |
| --- | --- | --- |
| **VERDICT Output** | **CARIN Output** | **Description** |
| DMFTdmft | d2mft\_a+ d2mft\_c | Overall combined tooth score |
| DMFT | d2mft\_a | Overall permanent tooth score |
| dmft | d2mft\_c | Overall deciduous tooth score |
| DMFSdmfs | d2mfs\_a+ d2mfs\_c | Overall combined surface score |
| DMFS | d2mfs\_a | Overall permanent surface score |
| dmfs | d2mfs\_c | Overall deciduous surface score |
| DMFS+I+dmfs+i |  | Overall combined surface + incisal edges score |
| DMFS+I |  | Overall permanent surface + incisal edges score |
| dmfs+i |  | Overall deciduous surface + incisal edges score |
| DT | d2t\_a | Decayed permanent tooth score |
| MT | mt\_a | Missing permanent tooth score |
| FT | ft\_a | Filled permanent tooth score |
| dt | d2t\_c | Decayed deciduous tooth score |
| mt | mt\_c | Missing deciduous tooth score |
| ft | ft\_c | Filled deciduous tooth score |
| DS | d2s\_a | Decayed permanent surface score |
| MS | ms\_a | Missing permanent surface score |
| FS | fs\_a | Filled permanent surface score |
| ds | d2s\_c | Decayed deciduous surface score |
| ms | ms\_c | Missing deciduous surface score |
| fs | fs\_c | Filled deciduous surface score |
| DSI |  | Decayed permanent surface + incisal edges score |
| MSI |  | Missing permanent surface + incisal edges score |
| FSI |  | Filled permanent surface + incisal edges score |
| dsi |  | Decayed deciduous surface + incisal edges score |
| msi |  | Missing deciduous surface + incisal edges score |
| fsi |  | Filled deciduous surface + incisal edges score |
| Tt | currToothCount\_c+ currToothCount\_a | Overall tooth count |
| t | currToothCount\_c | Deciduous tooth count |
| T | currToothCount\_a | Permanent tooth count |
| Ss | currSurfaceCount\_c+ currSurfaceCount\_a | Overall surface count |
| s | currSurfaceCount\_c | Deciduous surface count |
| S | currSurfaceCount\_a | Permanent surface count |
| Sisi |  | Overall surface + incisal edges count |
| si |  | Deciduous surface + incisal edges count |
| Si |  | Permanent surface + incisal edges count |

Supplementary Table 2: Synthetic Use Case Scenarios VERDICT-Calculated and Validated Caries Indices and Tooth and Surface Counts (N=45)

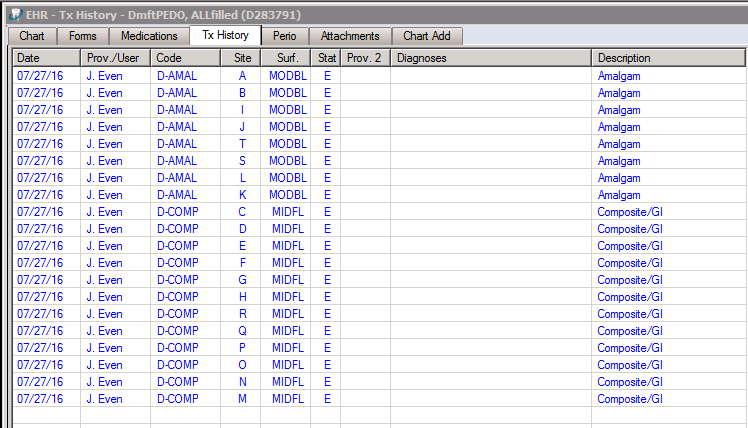
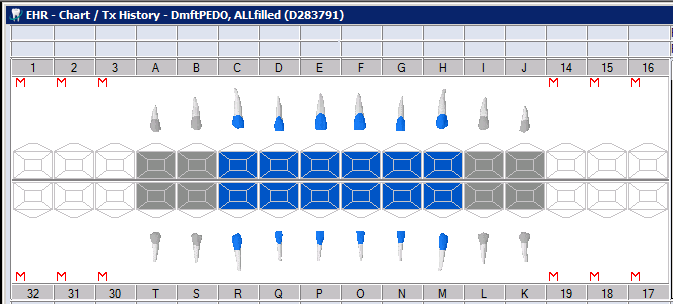
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Supplementary Figures: Synthetic Use Case Scenario Odontograms and Treatment Histories (N=45)

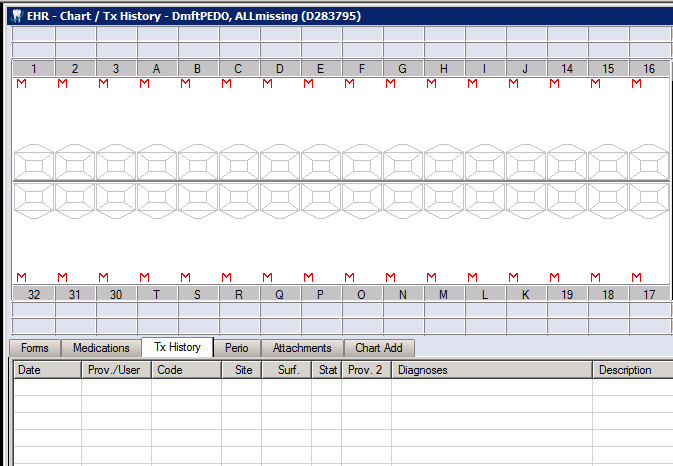


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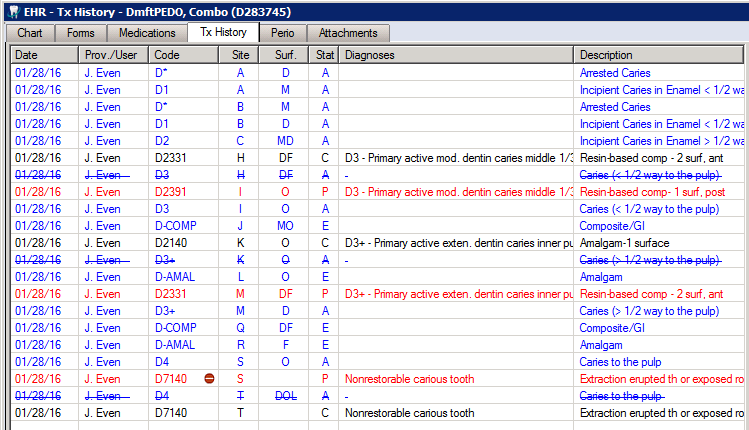
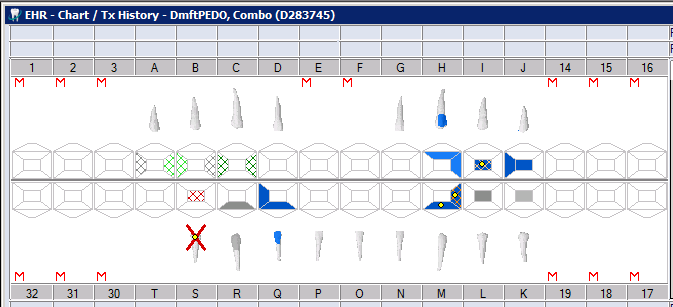
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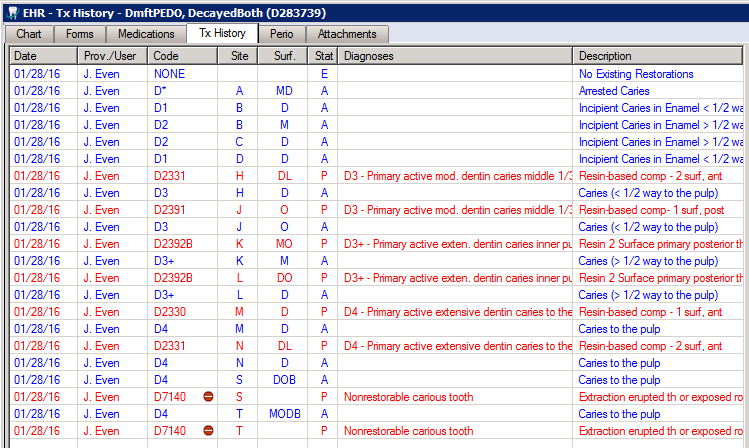
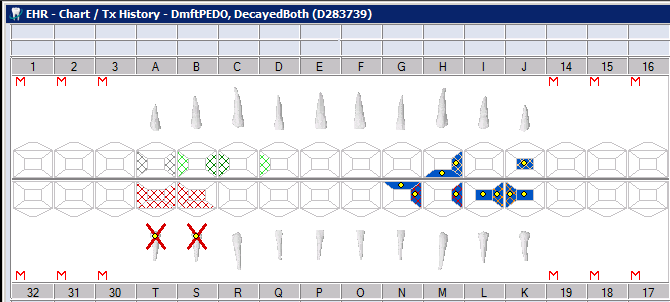
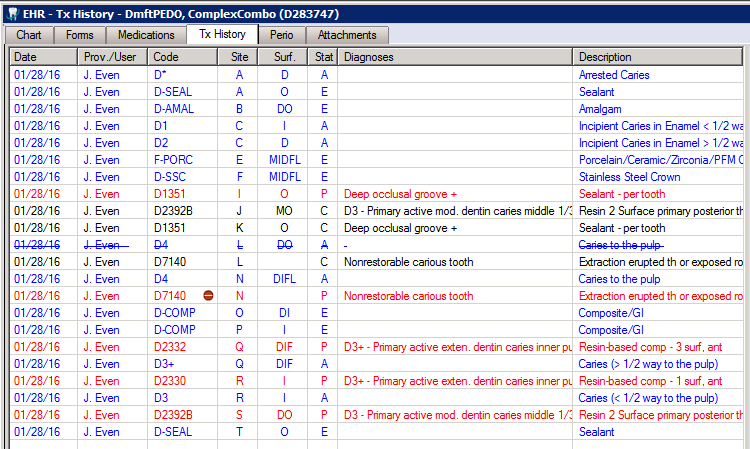
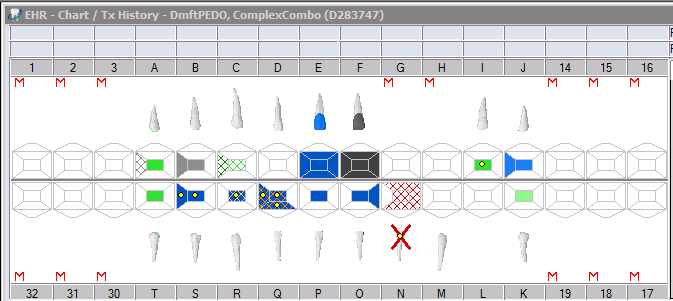


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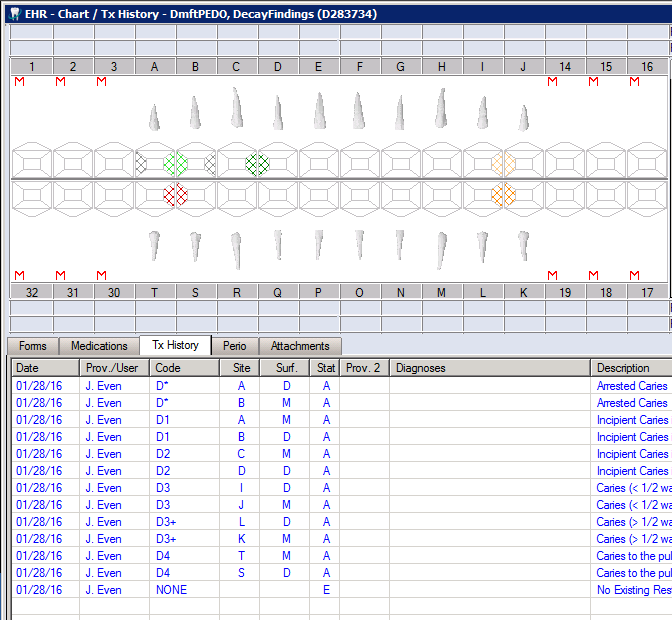
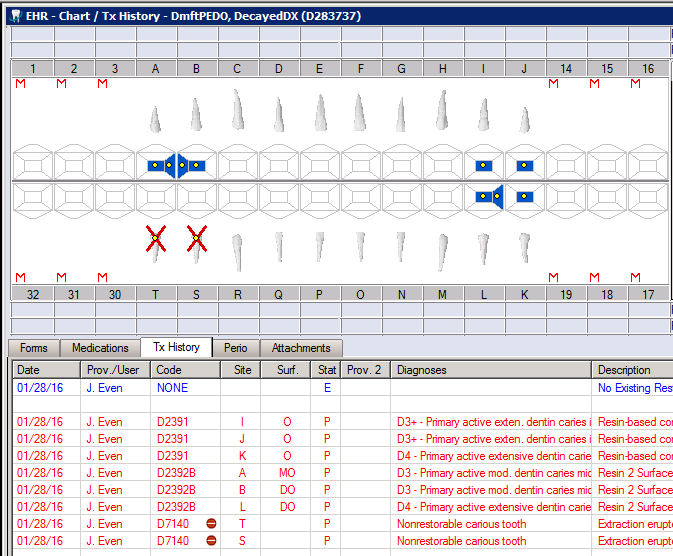
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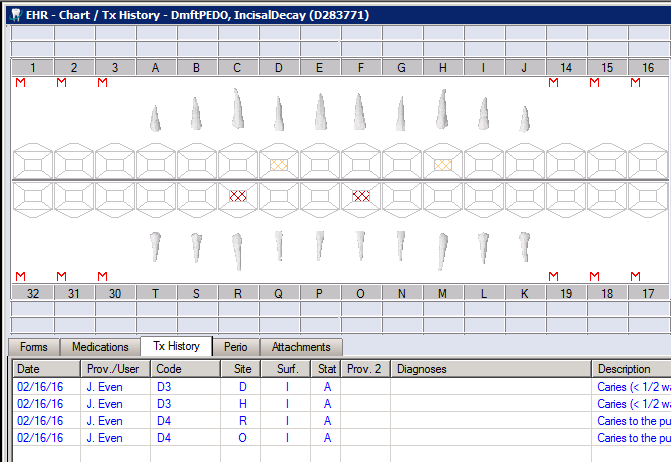
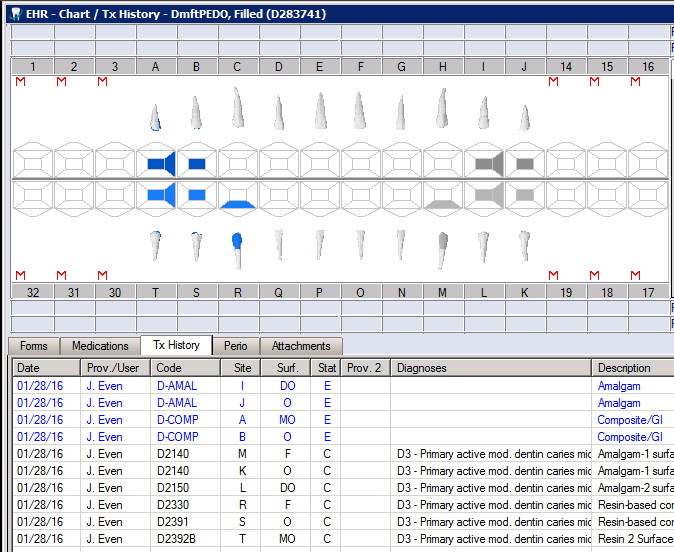
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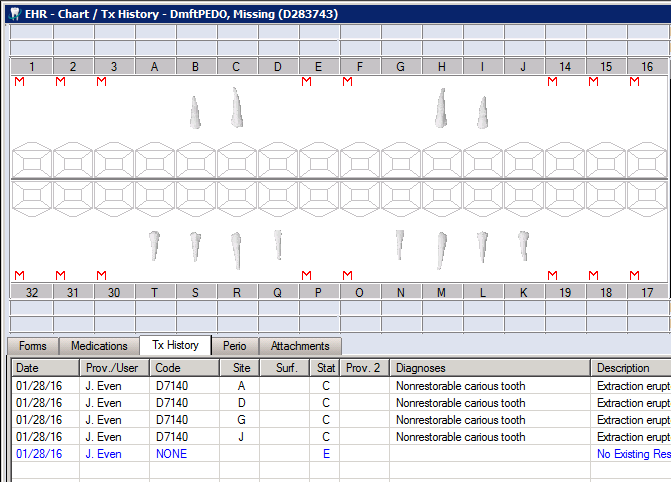
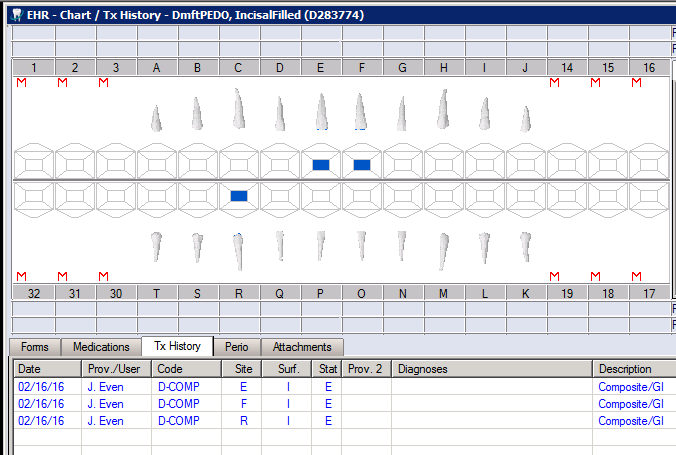
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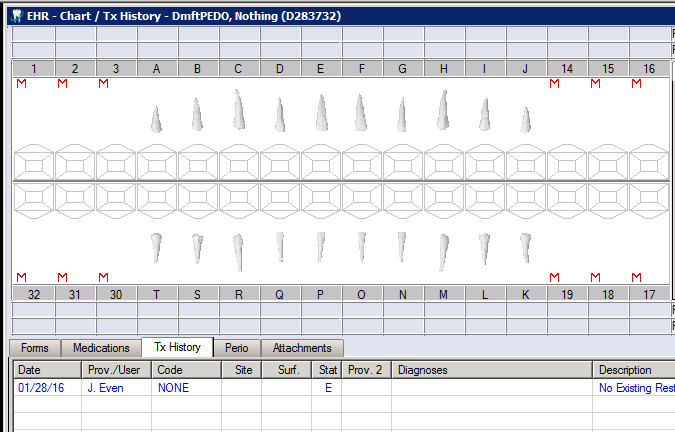
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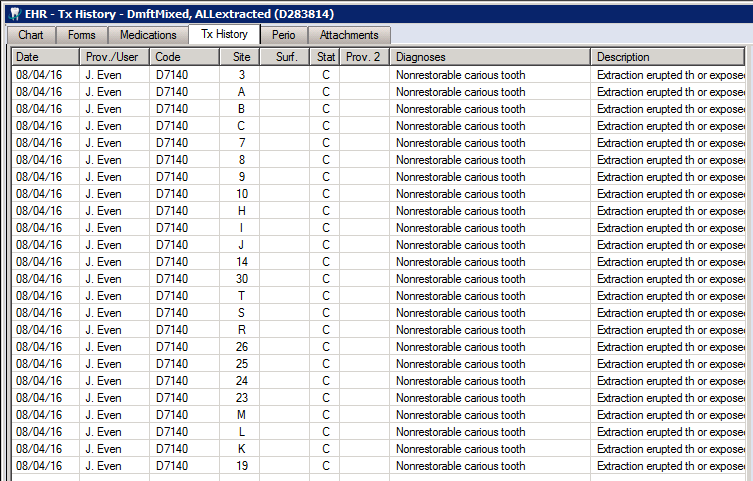
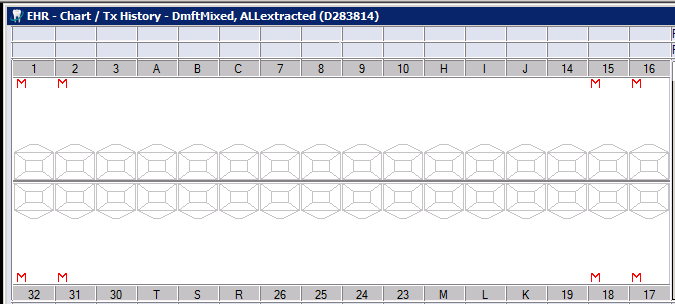
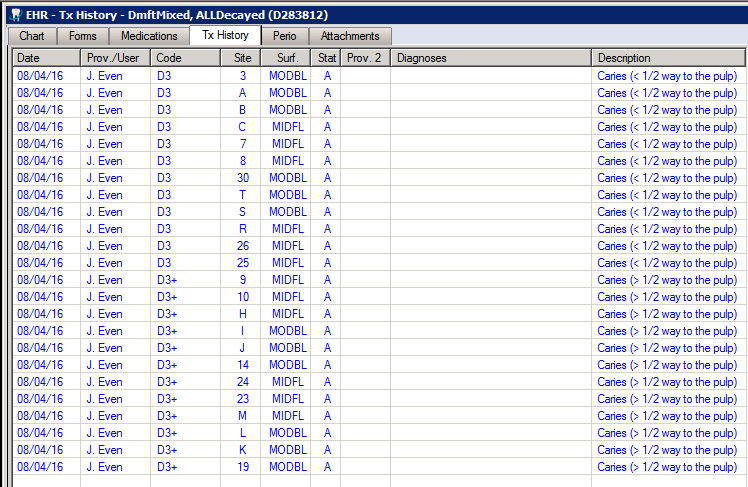
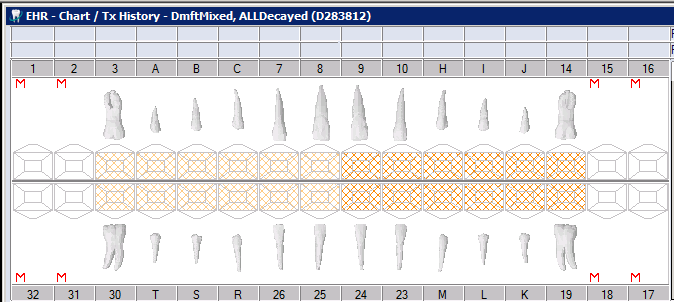
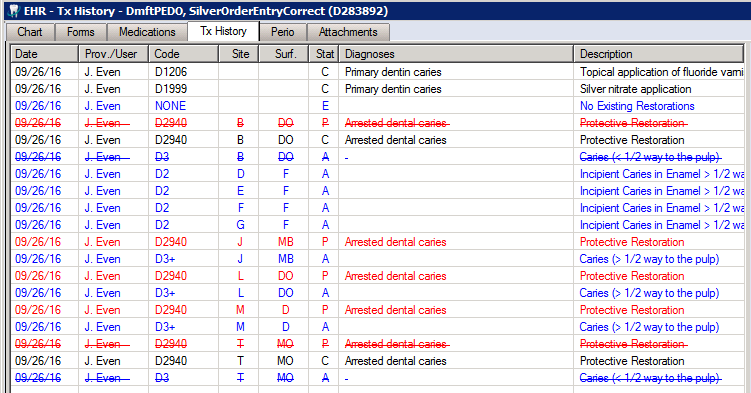
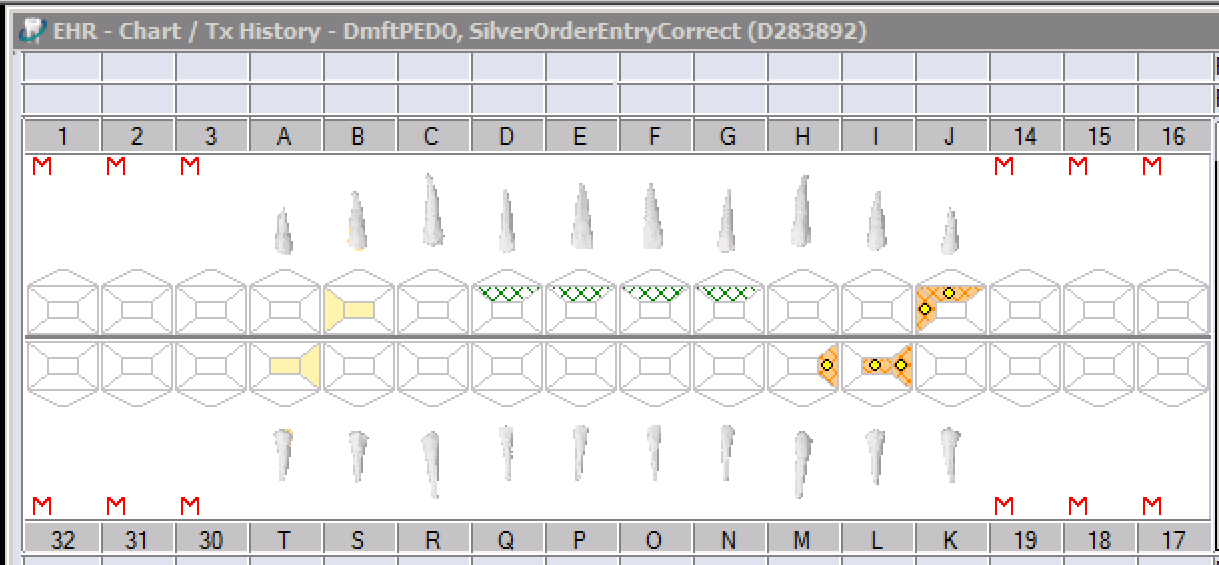
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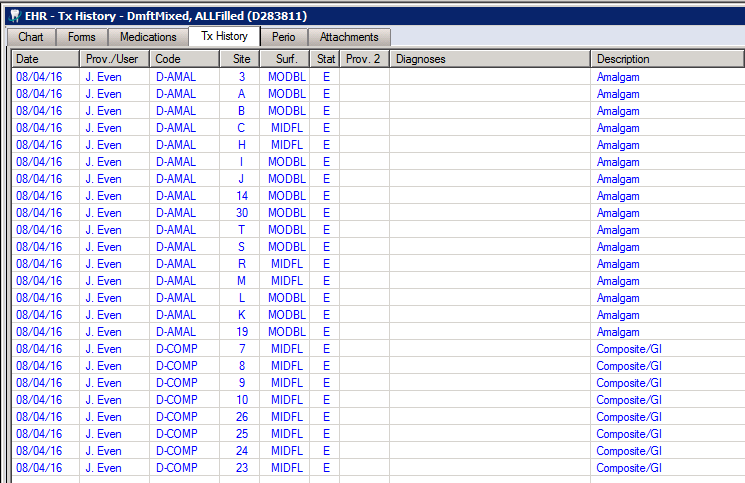
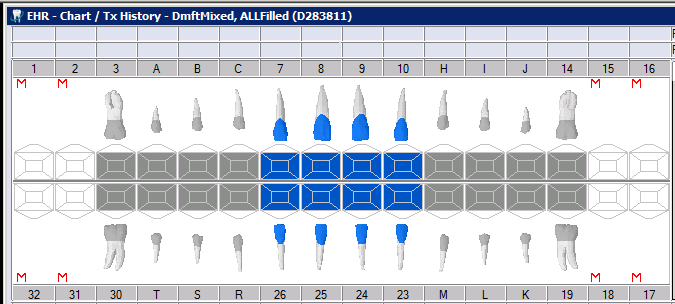
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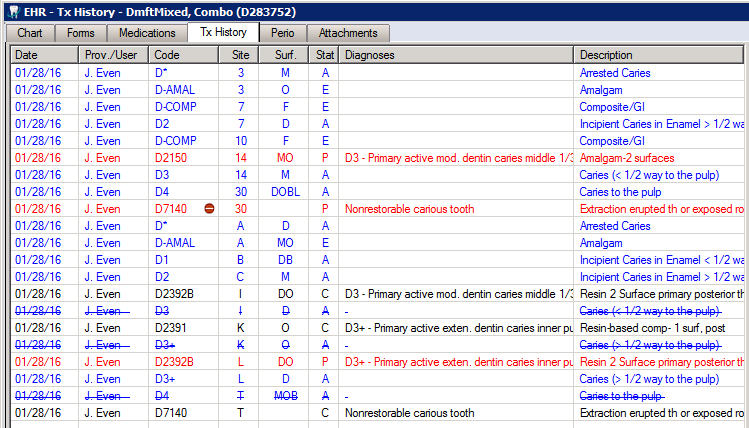
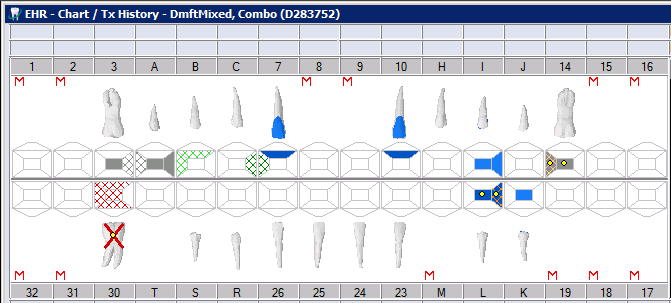
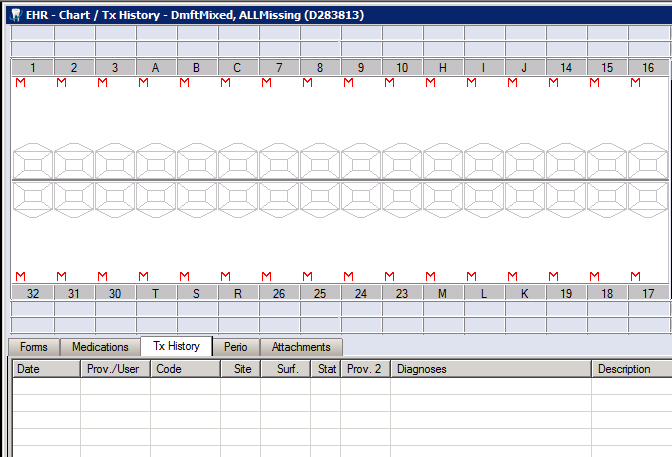
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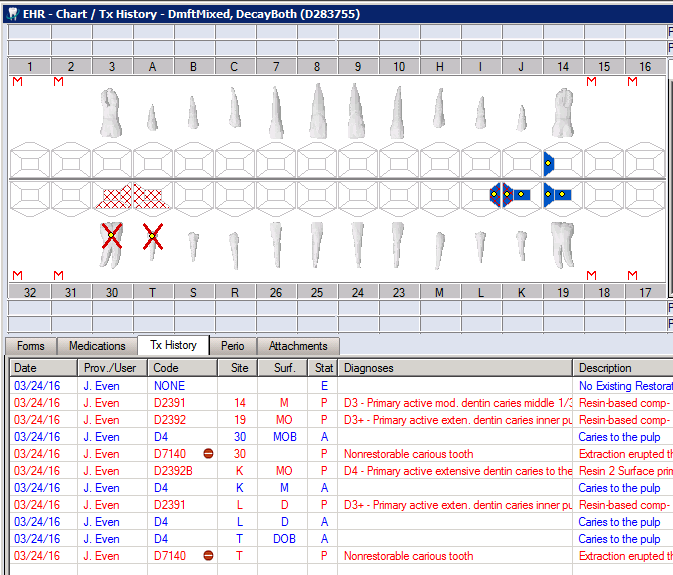
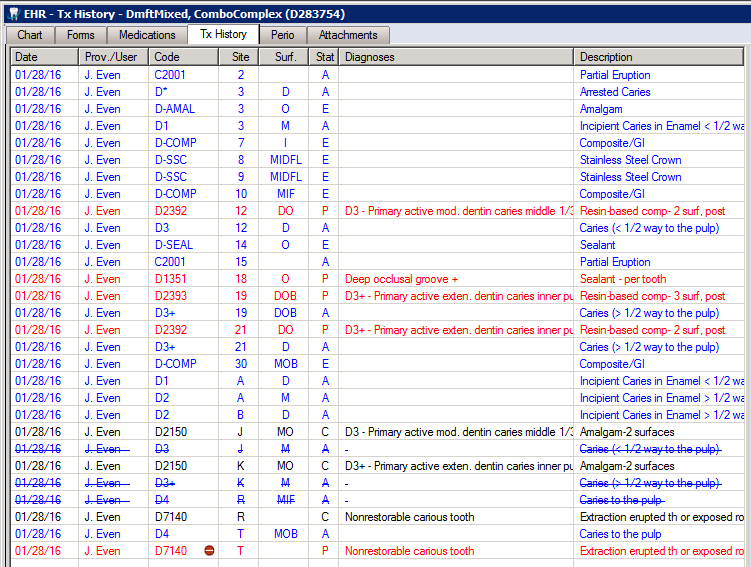
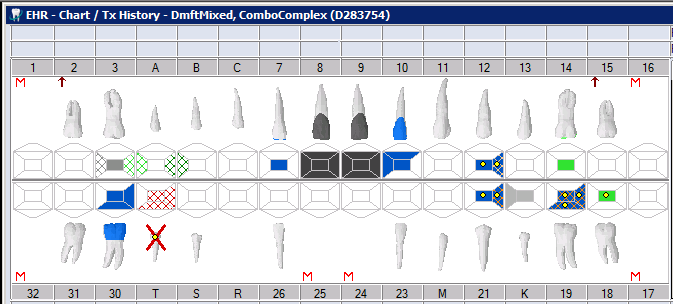
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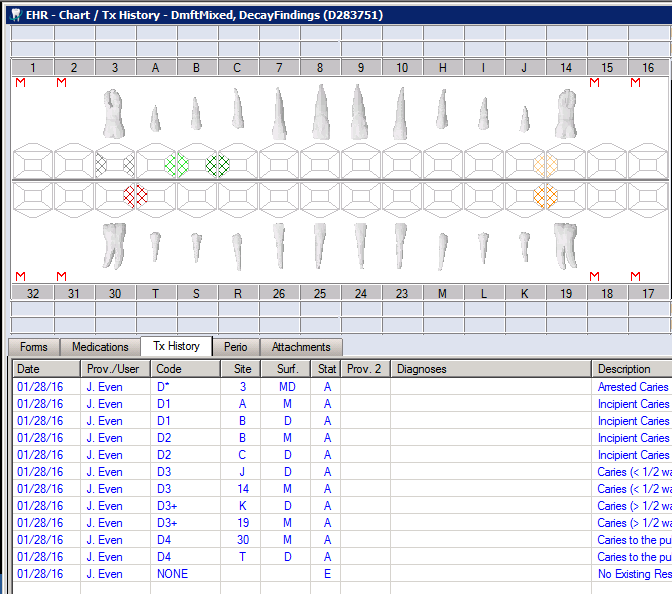
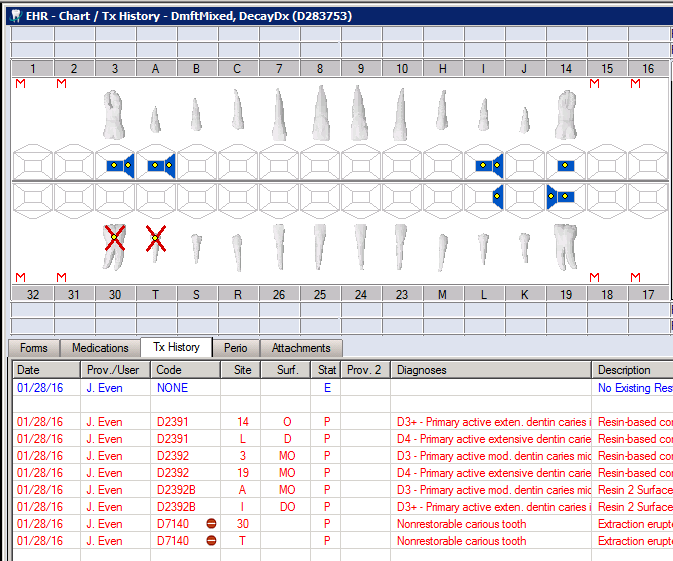
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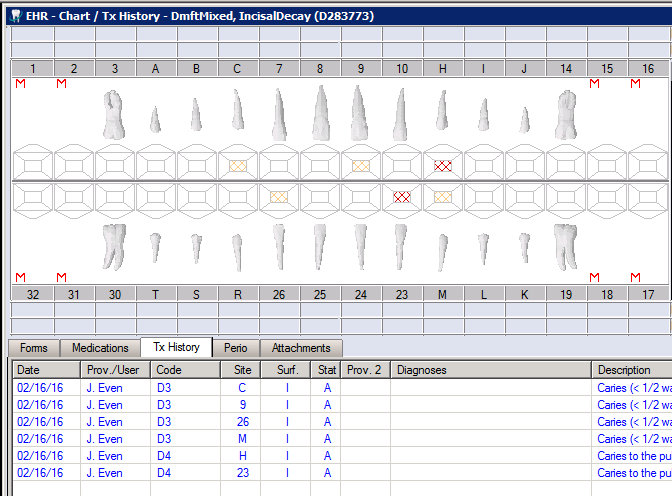
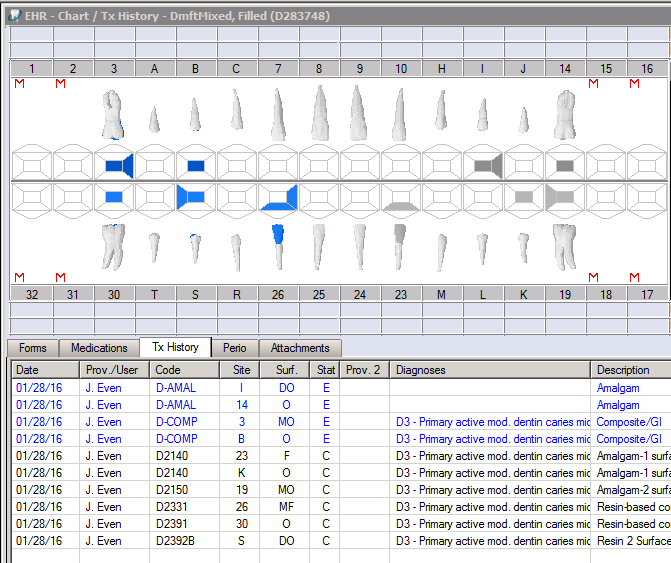
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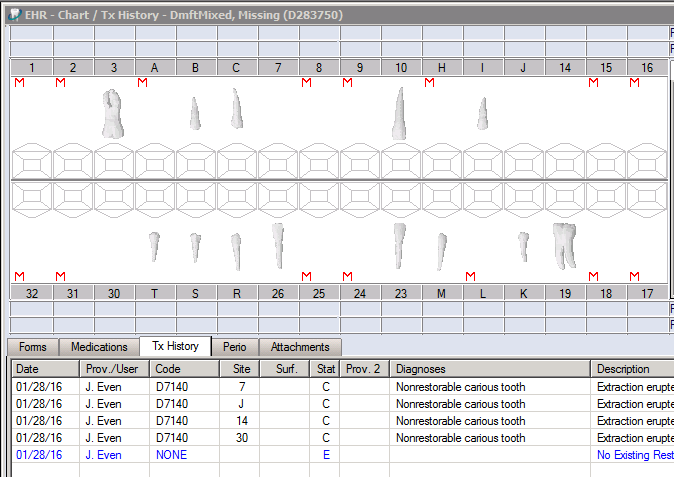
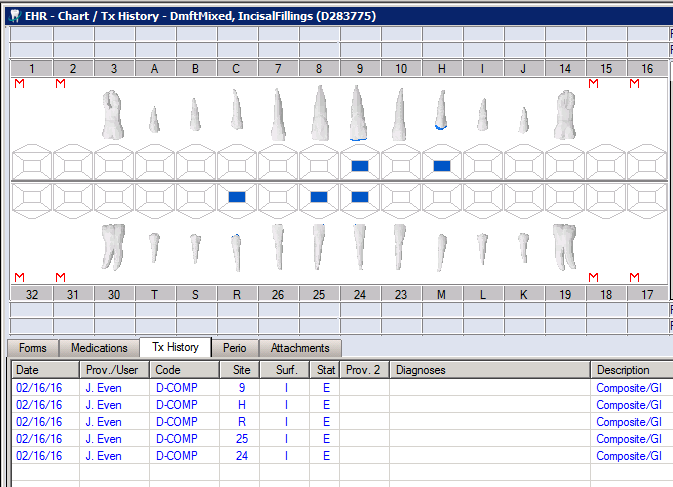
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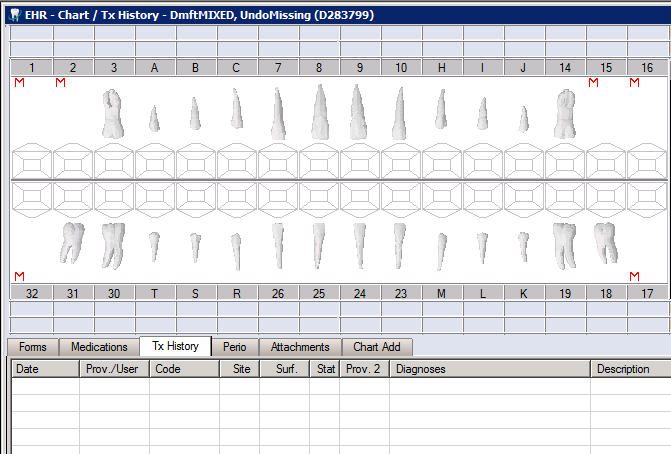
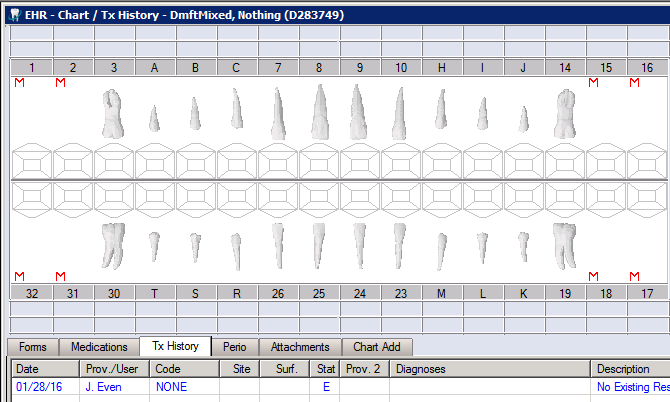
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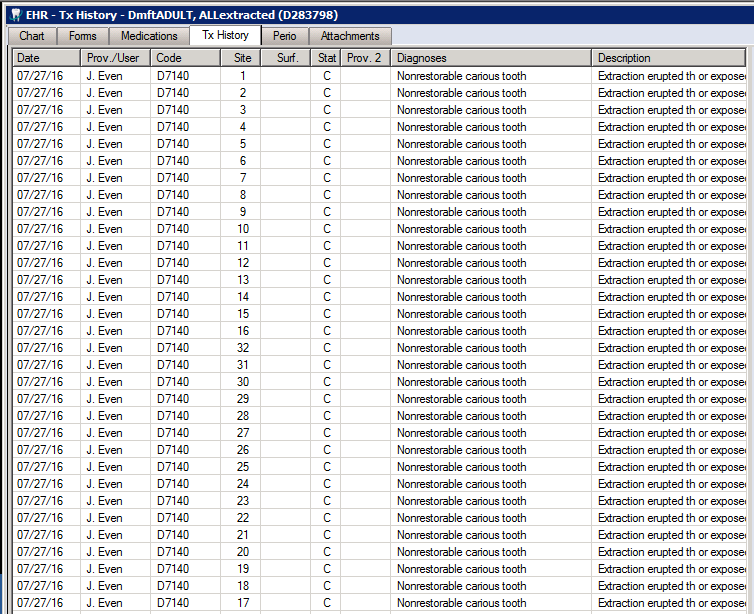
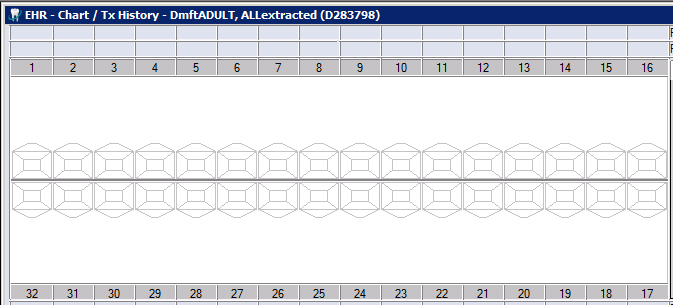
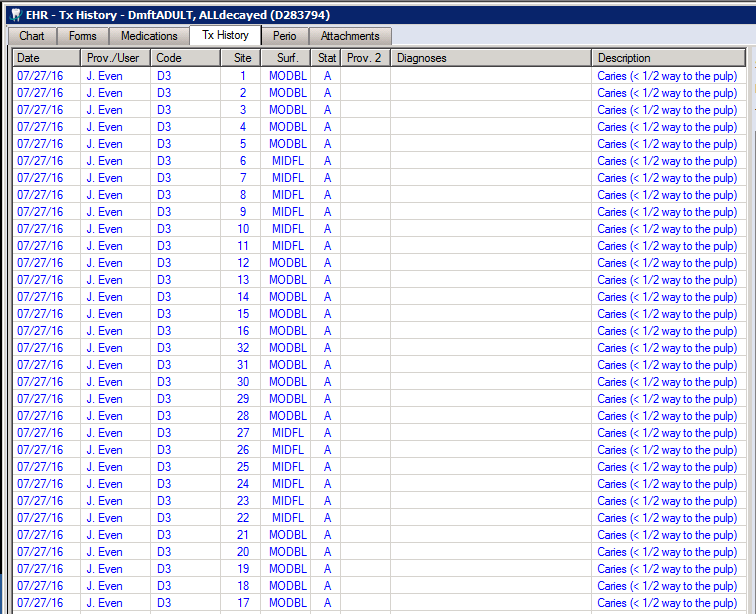
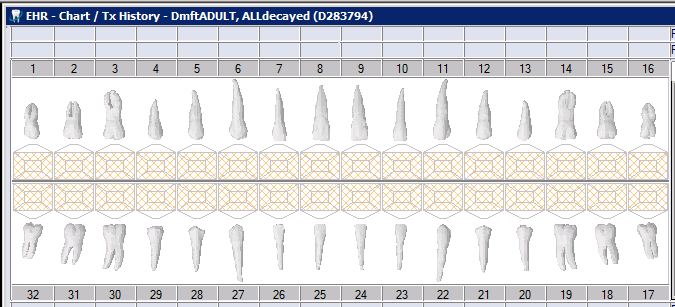
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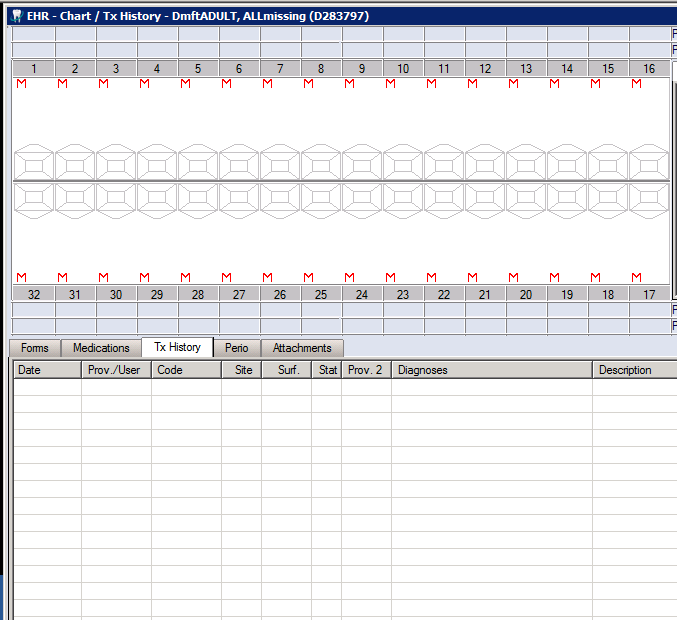
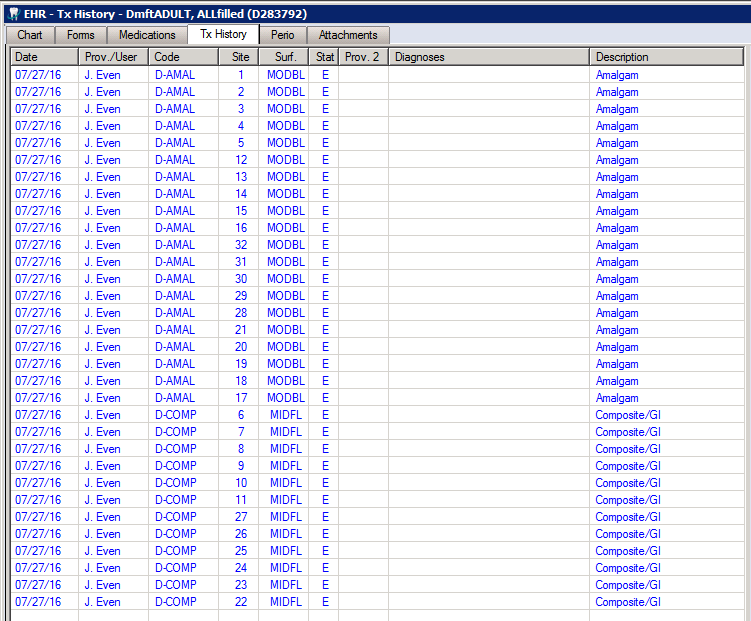
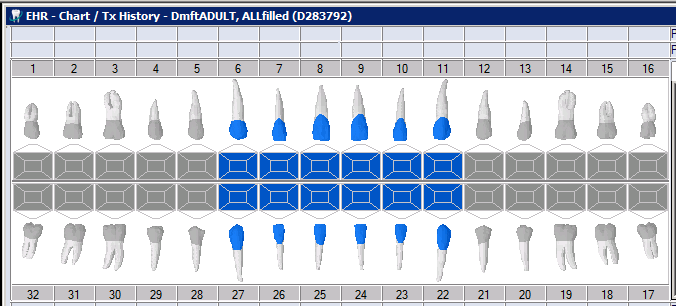
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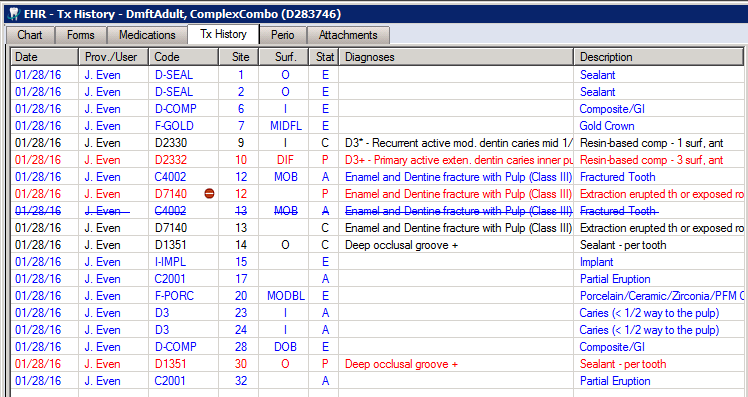
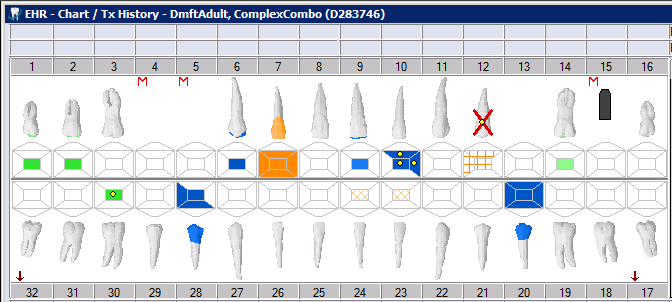
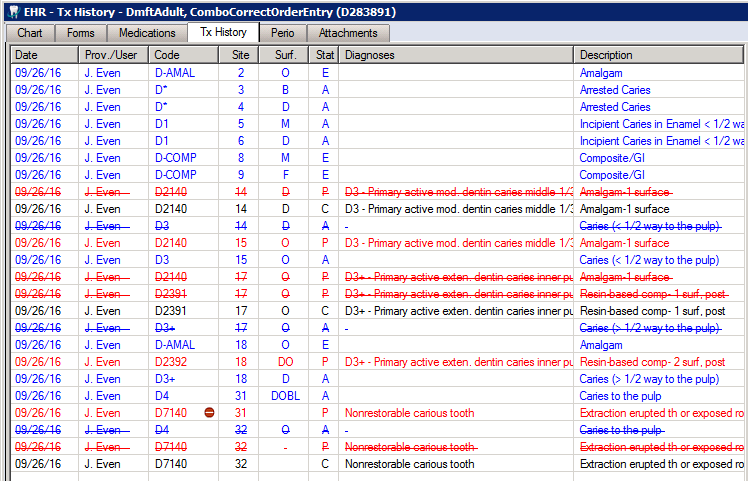
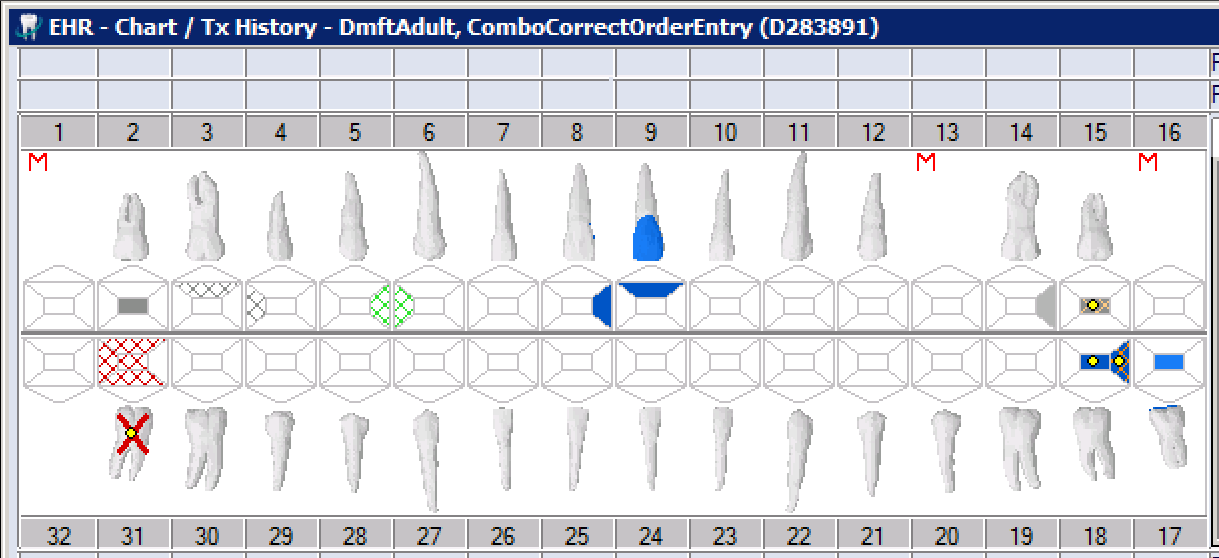
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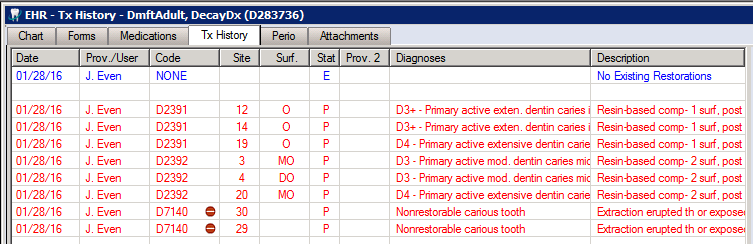
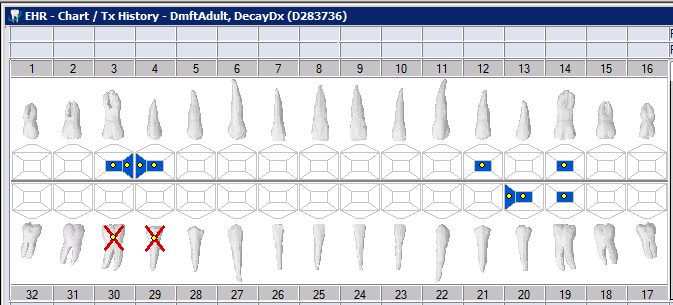
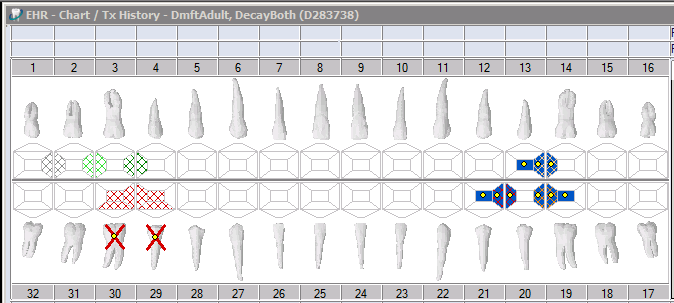
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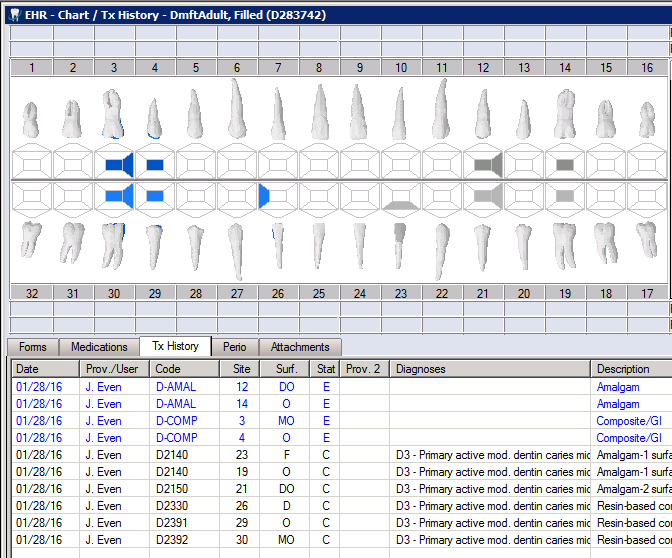
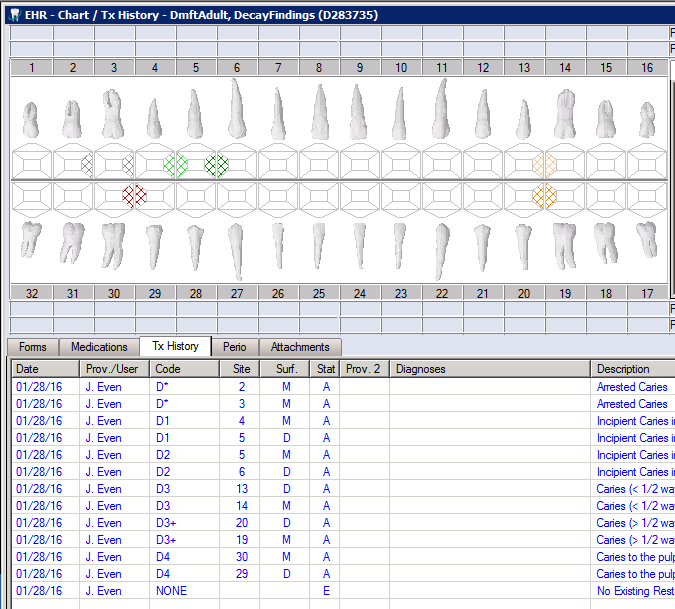
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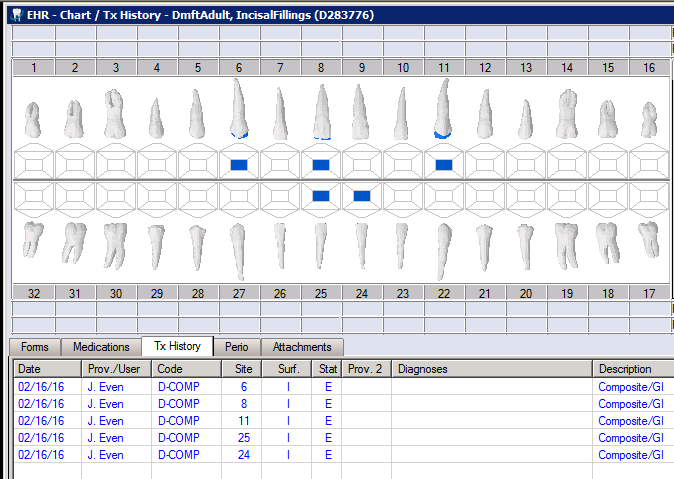
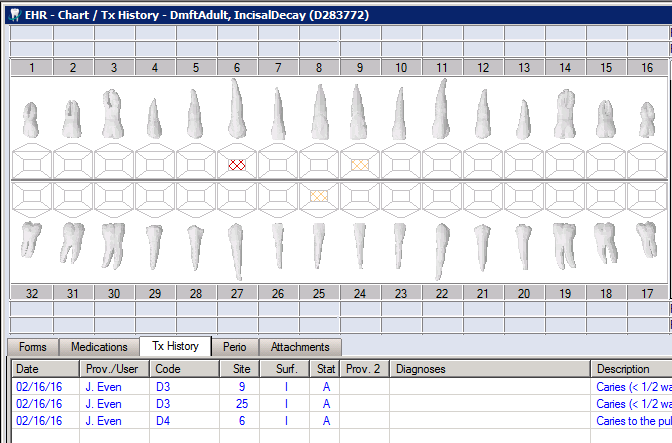
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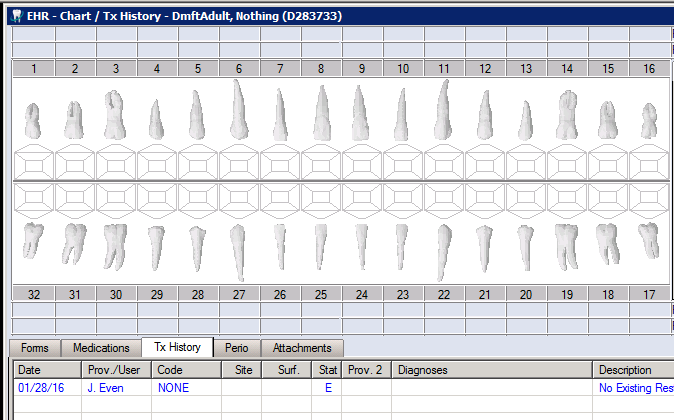
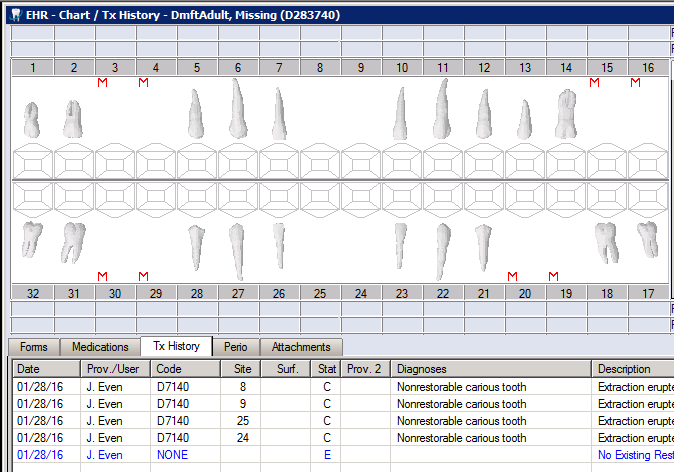
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D283733



D283815

