

	Reference concepts	Implementation Components																															
Planning Framework	<p>Implementation levels</p> <p>For the reporting initiative, 2 levels have been identified as an initial implementation stage:</p> <ul style="list-style-type: none"> • MA Clinic level • MA Headquarters (HQ) / IPPF level <p>In addition, 3 major implementation work areas are being considered:</p> <ul style="list-style-type: none"> • XML Improvement: Which will upgrade the export file from OpenEMR with more data elements, to be uploaded into eIMS, and in turn exported to Excel for HQ analysis and reporting purposes • Pentaho Reporting: This will incorporate better tools to run reports and analysis (cross-tabulations, data by service provider, etc.) • eIMS future upgrades: A major improvement to the eIMS analytic and reporting capabilities will be done by the incorporation of Pentaho tools into the global system <p>General Calendar:</p> <table border="1"> <thead> <tr> <th></th> <th>Jun</th> <th>Jul</th> <th>Aug</th> <th>Sep</th> </tr> </thead> <tbody> <tr> <td>XML Improvement</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pentaho Reporting</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot in India / Nepal</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>eIMS upgrades / fixes</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Global distribution</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Jun	Jul	Aug	Sep	XML Improvement					Pentaho Reporting					Pilot in India / Nepal					eIMS upgrades / fixes					Global distribution						
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XML	<p>Goal for India/Nepal: Have XML upgraded to show how to do report on eIMS and export to excel for HQ reports</p>	<table border="1"> <thead> <tr> <th>XML Improvement TASKS</th> <th>Responsible</th> </tr> </thead> <tbody> <tr> <td>XML export file enhancement</td> <td>RR, AME</td> </tr> <tr> <td>eIMS import upgrade / Schema</td> <td>IPPF/CO</td> </tr> <tr> <td>XLS /other formats exporting capabilities</td> <td>IPPF/CO</td> </tr> <tr> <td>Additional Reports</td> <td>IPPF/CO</td> </tr> <tr> <td>Testing</td> <td>Team</td> </tr> <tr> <td>Documentation - Process Guidelines</td> <td>XG</td> </tr> </tbody> </table>	XML Improvement TASKS	Responsible	XML export file enhancement	RR, AME	eIMS import upgrade / Schema	IPPF/CO	XLS /other formats exporting capabilities	IPPF/CO	Additional Reports	IPPF/CO	Testing	Team	Documentation - Process Guidelines	XG	Observations/Progress																
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PENTAHO	<p>Goal for India/Nepal: Show Pentaho User Console for clinic level, so they can run reports by service provider, etc., based directly on MySQL production database, and use basic analytic tools for cross-tabulations, etc.</p> <p>IT Manager is trained on more advanced tools for metadata edition and report design</p>	<table border="1"> <thead> <tr> <th>PENTAHO REPORTING TASKS</th> <th>Responsible</th> </tr> </thead> <tbody> <tr> <td>Tables and fields Identification</td> <td>RR, AME</td> </tr> <tr> <td>- Checking India reports and current OpenEMR reports</td> <td></td> </tr> <tr> <td>Adding descriptions to fields</td> <td>AME /XG</td> </tr> <tr> <td>Creating Models (B and V)</td> <td>JM, & team</td> </tr> <tr> <td>Add/create a set of basic reports</td> <td>JM & team</td> </tr> <tr> <td>Model validation</td> <td>Team</td> </tr> <tr> <td>- Documentation for installation</td> <td>RR/JM</td> </tr> <tr> <td>- Documentation for End/Advanced Users</td> <td>XG</td> </tr> </tbody> </table>	PENTAHO REPORTING TASKS	Responsible	Tables and fields Identification	RR, AME	- Checking India reports and current OpenEMR reports		Adding descriptions to fields	AME /XG	Creating Models (B and V)	JM, & team	Add/create a set of basic reports	JM & team	Model validation	Team	- Documentation for installation	RR/JM	- Documentation for End/Advanced Users	XG	Observations/Progress												
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eIMS	<p>Goal: Providing all OpenEMR users enhanced reporting/analysis capabilities, based on the integration of Pentaho tools in eIMS.</p> <p>Potential use of ETL Pentaho tools to enhance eMS import capabilities of non-OpenEMR databases/files (mobile/satellite clinics, community distr, doctors, youth programs, etc)</p>	<table border="1"> <thead> <tr> <th>eIMS future upgrade TASKS</th> <th>Responsible</th> </tr> </thead> <tbody> <tr> <td>Incorporation of Pentaho tools into eIMS</td> <td>JM & IPPF/CO</td> </tr> <tr> <td>Testing</td> <td>Team</td> </tr> <tr> <td>Documentation - Process Guidelines</td> <td>XG</td> </tr> <tr> <td>Enhancing import capabilities (ETL Kettle)</td> <td>JM & IPPF/CO</td> </tr> <tr> <td>Data warehouses</td> <td>JM & IPPF/CO</td> </tr> <tr> <td>Testing and documentation</td> <td>Team / XG</td> </tr> <tr> <td>Advanced reports - Design Studio</td> <td>Team</td> </tr> <tr> <td>Advanced Analysis - Mondrian</td> <td>Team</td> </tr> <tr> <td>Advanced Data Mining - Weka</td> <td>Team</td> </tr> </tbody> </table>	eIMS future upgrade TASKS	Responsible	Incorporation of Pentaho tools into eIMS	JM & IPPF/CO	Testing	Team	Documentation - Process Guidelines	XG	Enhancing import capabilities (ETL Kettle)	JM & IPPF/CO	Data warehouses	JM & IPPF/CO	Testing and documentation	Team / XG	Advanced reports - Design Studio	Team	Advanced Analysis - Mondrian	Team	Advanced Data Mining - Weka	Team	Observations/Progress										
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