

PP11: Programming Development and Validation Tracking



Introduction

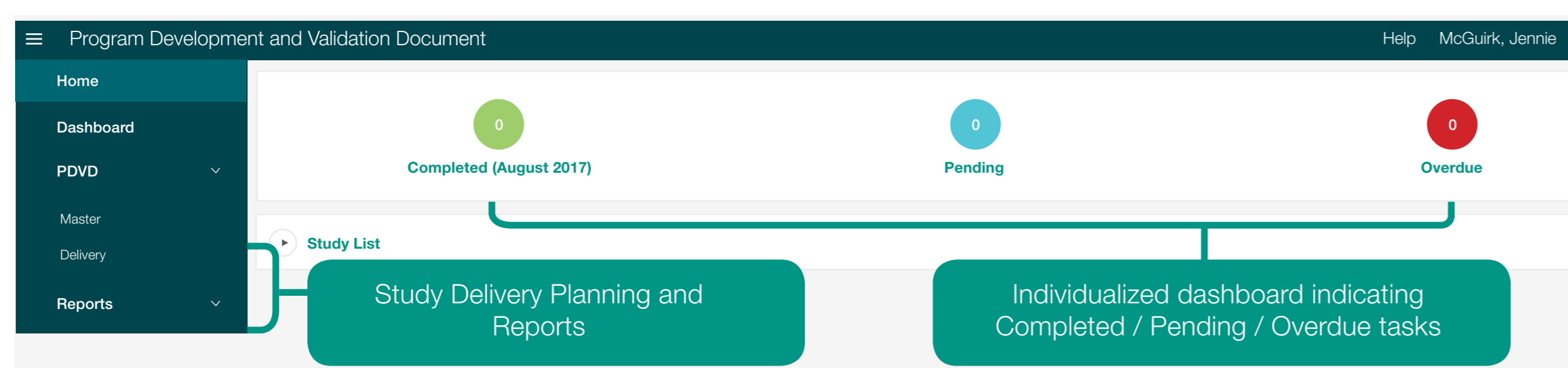
ICON developed and rolled out a **Programming Development and Validation Tracking Application** to replace historic excel files.

This poster is an introduction to the tracking system, covering:

- User Interface and Functionality
- Reporting
- Next Phase

User Interface & Functionality

Homepage



Study Delivery Plans

Individual Study Delivery Plans

Delivery PDVD Name	Study Number	Sponsor Name	SAS Version	Operating System	Delivery Date	Unblinding Flag	Study Type	Team
Delivery_PDVD_12345678_BDR_Dry_Run_30JUN2017	12345678	Sponsor Name	9.3	Windows 2003	30-Jun-2017	Yes	-	
Delivery_PDVD_56781234_CSR_Dry_Run_20JUL2017	56781234	Sponsor Name	9.4	Windows 2003	20-Jul-2017	Yes	-	

Planning Tasks

Lead Programmer defines the tasks to be completed, along with associated attributes

<input type="checkbox"/>	Item / Identifier	Program Name	Output Name	Validation Program Name	Title	Theme	Item Type	Unique Replicate Indicator	Replicate Of	Rerun	Validation Type
<input type="checkbox"/>	D011	d1_adae	ADAE	v_d1_adae	Adverse Events Analysis Data	Safety	Dataset	Unique		No	A
<input type="checkbox"/>	D003	d1_adcm	ADCM	v_d1_adcm	Concomitant Medication Analysis Data	Safety	Dataset	Unique		No	A

Lead Programmer assigns tasks to programmers, along with projected completion dates

<input type="checkbox"/>	Item / Identifier	Program Name	Output Name	Production Programmer	Production Projected Completion Date	Production Status	Production Pending Reason / Other Comments	Production Actual Completion Date	Production Status Comment
<input type="checkbox"/>	D011	d1_adae	ADAE	Programmers Name	05-May-2017				
<input type="checkbox"/>	D003	d1_adcm	ADCM	Programmers Name	05-May-2017				

<input type="checkbox"/>	Item / Identifier	Program Name	Output Name	Validator	Validation Projected Completion Date	Validation Status	Validation Pending Reason / Other Comments	Validation Actual Completion Date	Validation Status Comment	General Comment
<input type="checkbox"/>	D011	d1_adae	ADAE	Programmers Name	10-May-2017					
<input type="checkbox"/>	D003	d1_adcm	ADCM	Programmers Name	02-Jun-2017					

Completing Tasks

Programmers update the production and validation status along with associated completion dates

<input type="checkbox"/>	Item / Identifier	Program Name	Output Name	Production Programmer	Production Projected Completion Date	Production Status	Production Pending Reason / Other Comments	Production Actual Completion Date	Production Status Comment
<input type="checkbox"/>	D011	d1_adae	ADAE	Programmers Name	05-May-2017	Completed		02-Jun-2017	
<input type="checkbox"/>	D003	d1_adcm	ADCM	Programmers Name	05-May-2017	Completed		02-Jun-2017	

Reporting

Overdue assignment report

Individual summary, and also available as a manager's dashboard

Item / Identifier	Program Name	Output Name	Title	Theme	Item Type	Production Programmer	Production Projected Completion Date	Production Status	Production Actual Completion Date
D001	d1_adsl	ADSL	Subject Level Analysis Data	Safety	Dataset	Programmers Name	31-Jul-2017		

Progress Report

Counts and percentage of tasks assigned, pending, and completed

Item Type	Total	Unique	Replicate	Development					Validation					
				New	Assigned	Started	Pending	Completed	New	Assigned	Started	Pending	Completed	
Dataset	15	15	0	15 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	15 (100%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Table	83	68	15	44 (53%)	11 (13%)	0 (0%)	1 (1%)	27 (33%)	44 (53%)	24 (29%)	0 (0%)	3 (4%)	12 (14%)	
Figure	0	0	0	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	
Listing	21	16	5	0 (0%)	0 (0%)	0 (0%)	1 (5%)	20 (95%)	0 (0%)	1 (5%)	0 (0%)	0 (0%)	20 (95%)	
Other	0	0	0	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	

Rework Report

Summary of programs updated (reworked) during a redelivery

Study Number	Delivery PDVD Name	Item Count	Rework Count	Rework Percentage
12345678	Delivery_PDVD_12345678_CSR_Dry_Run_14JUL2017	8	2	25
56781234	Delivery_PDVD_56781234_Advisory_Committee_Final_03APR2017	91	3	3

Resource Productivity

Summary of tasks completed by individuals within a selected time period

Name	Datasets			Tables				Listings				Figures			
	Unique	Rerun	Rework	Unique	Replicate	Rerun	Rework	Unique	Replicate	Rerun	Rework	Unique	Replicate	Rerun	Rework
Programmers Name	13	265	0	46	112	436	16	50	0	172	0	5	2	34	0
Programmers Name	55	31	33	29	57	49	130	1	0	16	1	5	0	6	0

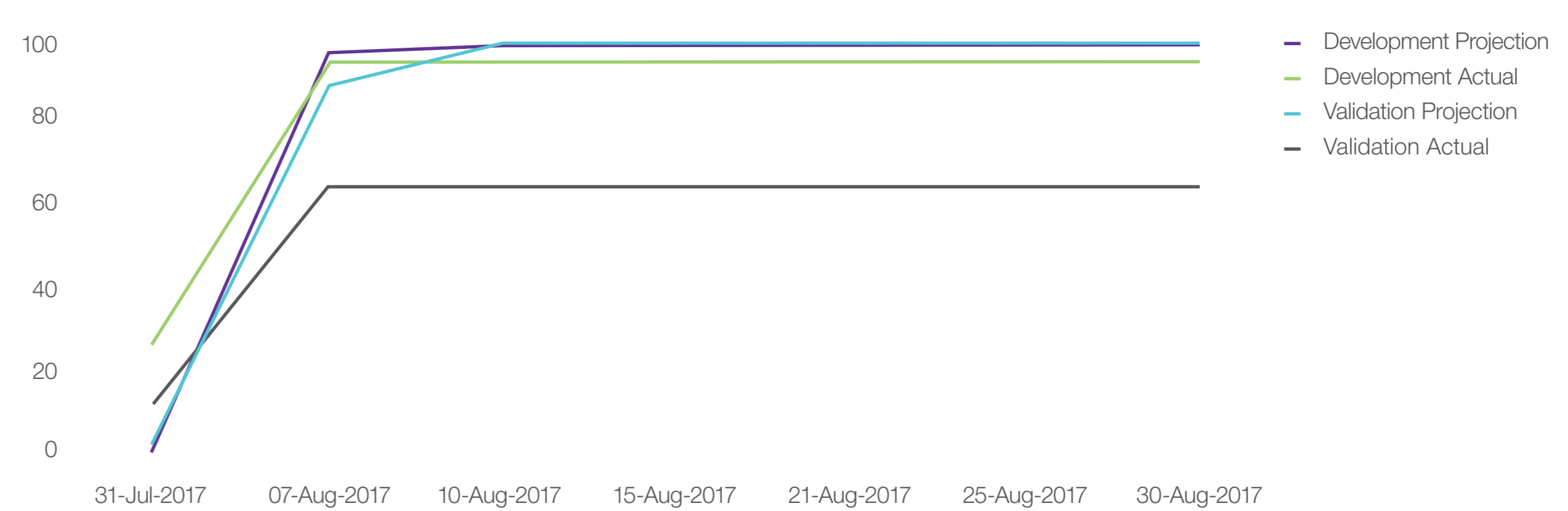
Dataset, Table, Listing & Figure Summary

Summary of units completed per study within a selected time period

Study Number	Sponsor Name	Datasets		Tables				Listings				
		Developed	Validated	Unique Developed	Unique Validated	Replicate Developed	Replicate Validated	Unique Developed	Unique Validated	Replicate Developed	Replicate Validated	
12345678	Sponsor Name	0	0	0	0	0	0	0	0	0	0	0
56781234	Sponsor Name	51	51	55	55	21	21	20	20	3	3	3

Production Forecast

Graph showing projected work versus actual work per study delivery



Next Phase

We are currently working on the next phase, with planned end of year roll out. The expanded features are focusing on quality metrics and will include:

- Tracking of QC comments from the validation programmer
- Tracking of Programmer Lead review comments
- Tracking of Statistical Review comments
- Tracking of Sponsor comments
- Associated quality metrics and reporting

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