



1. Report summary

1.1. Test Laboratory

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1.2. Tested Organization

Name	Regenstrief Institute
Mailing address	1101 West Tenth Street 46202 Indianapolis INDIANA United States

1.3. Tested System(s)

IHE N.A. Connectathon - Jan 2016		
Product Name	Version	Owner
IL SHR		Community User
This testing session was held from 1/25/16 to 1/29/16		

1.4. Report identification

This report has been generated on 2/2/16 with identifier 2016.NA.Connectathon.OpenHIE.20160202051729

1.5. Disclaimer

This report summarizes the outcome of the testing performed by Regenstrief Institute during the connectathon IHE N.A. Connectathon - Jan 2016, it includes information about success and failure and should only be used internally. This report does not certify the capabilities of any commercial product offered by Regenstrief Institute. Potential purchasers of the organization's products should consult any IHE Integration Statements [<http://product-registry.ihe.net>] published by the organization to confirm the IHE profiles and actors supported by its products.

2. IL SHR ()

2.1. Comment(s) added on sytem

1/29/16 12:14:06 AM (GMT+02:00) : levy (Monitors) Note added : (from TI-52034) In order to OpenHIE to show this function, they need to have a document in the XDS repository.

OpenHIE is going to setup an XDS repository and place the document in the XDS repository. WE will then test the Document Import.

1/29/16 12:10:12 AM (GMT+02:00) : levy (Monitors) Note added : (from TI-53531) Greenway did not have an APS document in the List of Samples. Use the IC document.

OpenHIE prefers to retrieve documents using XDS. However, there is no IHE IC in the Repository. SO we started from the import file point.

We successfully verified the following:

- discrete Immunization data could be imported. Each element in their data base is tagged with the document and a time.

- continued with all of the other discrete data OpenHIE could import.

1/28/16 10:57:08 PM (GMT+02:00) : levy (Monitors) Note added : (from TI-53531) APS document does not exist for GreenWay. Imported the IC document.

1/28/16 9:19:03 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-53593) EventDateTime are mismatched.

1/27/16 9:54:27 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-52843) The EventDateTime and CreationTime are mismatched.

1/27/16 8:53:22 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-52850) EventDateTime are not matched.

1/27/16 8:30:57 PM (GMT+02:00) : kilkelly (Monitors) Note added : (from TI-52784) This is an ATNA logging test. You need to use logs from the partner listed in the test, not Syslogs. Please resubmit.

1/27/16 6:37:49 PM (GMT+02:00) : bialecki (Monitors) Note added : (from TI-52384) Time of off by 1 second

1/26/16 9:33:02 PM (GMT+02:00) : marshall (Monitors) Note added : (from TI-51912) Unable to view the audit logs. Please provide valid files, e.g., with a proper extension, for both SN/SA and ARR.

1/26/16 9:23:42 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-51963) Audit logs for both sides are missing.

1/25/16 10:47:10 PM (GMT+02:00) : marshall (Monitors) Note added : (from TI-51036) The two audit messages in the chat window do not match. Please rerun test and provide original audit message sent and then provide what the ARR received. They must match.

1/25/16 10:21:42 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-50907) Both logs are showing NEXTGATE. I still don't see for OpenHIE. Even the links is pointing for NEXTGATE: <http://ihe.wustl.edu/gazelle-na/testInstanceData/ti/42485/nextgate-audit-2.png>

1/25/16 10:07:13 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-50844)

EventDateTime is not match on both side.

1/25/16 9:56:24 PM (GMT+02:00) : mastali (Monitors) Note added : (from TI-50907) Please send logs for OpenHIE as well.

1/1/16 6:44:52 PM (GMT+02:00) : smoore (IHEUSA) Note added : I see you have completed your pre-Connectathon tests. I appreciate the effort and look forward to you having a successful testing week in Cleveland.

2.2. Results per Integration Profile/Actor/Option

Results per Integration Profile/Actor/Option				
Integration Profile	Actor	Option	Type	Result
Consistent Time	Time Client	None	T	Pass
Immunization Content	Content Consumer	Discrete Data Import Option	T	Option not graded
Cross-Enterprise Document Sharing	Document Registry	None	T	Pass
Audit Trail and Node Authentication	Audit Record Repository	None	T	Pass
Antepartum Summary	Content Consumer	Discrete Data Import Option	T	No Peer
Immunization Content	Content Consumer	None	T	Pass
Cross-Enterprise Document Sharing	On-Demand Document Source	None	T	Pass
Antepartum Summary	Content Consumer	None	T	No Peer
Cross-Enterprise Document Sharing	On-Demand Document Source	Persistence of Retrieved Documents	T	Withdrawn
Cross-Enterprise Document Sharing	Document Registry	On-Demand Documents	T	Withdrawn
Aggregate Data Exchange	Content Creator	None	T	Pass
Audit Trail and Node Authentication	Secure Application	None	T	Pass
Consistent Time	Time Server	None	T	Pass
Audit Trail and Node Authentication	Secure Node	None	T	Pass
Cross-Enterprise Document Sharing	Document Repository	None	T	Pass
Cross-Enterprise Document Sharing	Document Registry	Patient Identity Feed (HL7 V2)	T	Pass
T: thorough / S: supportive				

2.3. Test instances summary

Test instances summary				
Tests	Performed	Passed	Failed	Partially verified
26	101	99	2	0

Tests: the number of different tests performed

Performed: the total number of test instances performed (This count does not take into account the aborted, still running and not verified test instances)

Passed/Failed: the number of test instances verified and set to passed/failed by a monitor

Partially verified: the number of different test instances that was reviewed but on which some work still need to be done

2.4. Test instance details (per Integration profile/Actor/Option)

In the next sub-sections, performed test instances are gathered by Integration profile / Actor / Option. For each of the test instances, the detailed informations are available by following the link.

2.4.1. Consistent Time / Time Client / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
CT_Client_Synch	1	R	50582 (ddeldotto)		

2.4.2. Immunization Content / Content Consumer / PCC_DISCRETE_DATA_IMPORT

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
IHECDA_Discrete_Data_Import_Opt	3	R	53531 (levy) 53607 (levy)		

2.4.3. Cross-Enterprise Document Sharing / Document Registry / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Doc_Registry_Load (All tests)	3	R	53136 (hayes) 53897 (hayes) 53389 (metz) 53331 (cheaib) 52917 (perugini) 53918 (cheaib)		
XDS.b_Doc_Source_Stores_Document (Meta_Doc_Registry_Load)			53389 (metz) 53331 (cheaib) 52917 (perugini) 53918 (cheaib)		
XDS.b_Integrated_Source_Registers_Document (Meta_Doc_Registry_Load)					
XDS-I.b_Store_CDA_Imaging_Report (Meta_Doc_Registry_Load)					
XDS-I.b_Store_DICOM_Manifest (Meta_Doc_Registry_Load)			53136 (hayes) 53897 (hayes)		
XDS-I.b_Store_PDF_Report (Meta_Doc_Registry_Load)					
XDS-I.b_Store_Text_Report (Meta_Doc_Registry_Load)					
Meta test: Meta_Doc_Registry_Query (All tests)	3	R	53605 (jlaivalley) 53355 (schwartz) 53394 (cheaib) 53577 (jlaivalley) 52922 (schwartz) 53232 (schwartz)		

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_Consumer_Query_Retrieve (Meta_Doc_Registry_Query)			53605 (jlaivalley) 53355 (schwartz) 53394 (cheaib) 53577 (jlaivalley) 52922 (schwartz) 53232 (schwartz)		
XDS.b_Integrated_Repository_Retrieve (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_CDA_Img_Report (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_DICOM_C-MOVE (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_DICOM_WADO (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_Img_Doc_Set (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_PDF_Report (Meta_Doc_Registry_Query)					
XDS-I.b_Retrieve_Text_Report (Meta_Doc_Registry_Query)					
Meta test: Meta_XDS_Registry_Folder_Mgmt (All tests)	1	R	50820 (cheaib)		
XDS.b_Folder_Mgmt_with_Real_Peer (Meta_XDS_Registry_Folder_Mgmt)					
XDS.b_Registry_Folder_Handling (Meta_XDS_Registry_Folder_Mgmt)			50820 (cheaib)		
XDS.b_Document_Addendum	1	R	53450 (metz)		
XDS.b_Document_Replace	1	R	53480 (oherrmann)		
XDS.b_Document_Transformation	1	R	53482 (metz)		
XDS.b_Error_Reporting	1	R	53211 (perugini)		
XDS.b_Registry_Do_This_First	1	R	50624 (jlaivalley)		
XDS_Query_Buffer	3	O			

2.4.4. Audit Trail and Node Authentication / Audit Record Repository / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Logging	3	R	51126 (oosterwijk) 51039 (oosterwijk) 52565 (marshall) 51742 (mastali) 53858 (kastelein) 53883 (kilkelly) 52734 (mastali) 53493 (wang) 51614 (mastali) 51912 (marshall) 52365 (kastelein) 52866 (marshall) 51842 (mastali) 51268 (mastali) 53052 (mastali) 52784 (kilkelly) 53633 (bialecki) 51963 (bialecki) 52449 (mastali) 51259 (mastali) 50925 (mastali) 50907 (mastali) 50790 (mastali) 51106 (mastali) 53849 (bialecki)	52850 (mastali) 52843 (mastali)	

2.4.5. Antepartum Summary / Content Consumer / PCC_DISCRETE_DATA_IMPORT

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
IHECDA_Discrete_Data_Import_Opt	3	R	53531 (levy) 53607 (levy)		

2.4.6. Immunization Content / Content Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
IC_View_or_Import_Document	2	R	52034 (levy) 53558 (boehlefeld)		
IHECDA_Do_This_First	1	R	50623 (bgalt-salsamendi)		

2.4.7. Cross-Enterprise Document Sharing / On-Demand Document Source / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_On-Demand_Docs	1	R	53926 (sunilb)		

2.4.8. Antepartum Summary / Content Consumer / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
APS_View_or_Import_Document	2	R			
IHECDA_Do_This_First	1	R	50623 (bgalt-salsamendi)		

2.4.9. Cross-Enterprise Document Sharing / On-Demand Document Source / PERSISTENCE_OF_RETRIEVED_DOCS

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_On-Demand_PersistRetrDocs	1	R			

2.4.10. Cross-Enterprise Document Sharing / Document Registry / ON_DEMAND_DOCS

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_On-Demand_Docs	1	R			
XDS.b_On-Demand_PersistRetrDocs	1	O			

2.4.11. Aggregate Data Exchange / Content Creator / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_ADX_Use_Cases_Creator (All tests)	3	R	52616 (lynn)		
ADX_Aggregate_to_Aggregate_HIV (Meta_ADX_Use_Cases_Creator)					
ADX_Aggregate_to_Aggreg_Malaria (Meta_ADX_Use_Cases_Creator)					
ADX_Patient_to_Aggregate_HIV (Meta_ADX_Use_Cases_Creator)			52616 (lynn)		
ADX_Patient_to_Aggregate_Malaria (Meta_ADX_Use_Cases_Creator)					

2.4.12. Audit Trail and Node Authentication / Secure Application / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Audit_Msg_Check	1	R	50789 (bialecki)		
ATNA_Authenticate_Error_Cases	1	O			

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Authenticate_with_Tool	1	R	50745 (kastelein)		
ATNA_Logging	3	R	52675 (mastali) 52867 (mastali) 51774 (sloane)		
ATNA_Questionnaire	1	R	50748 (kastelein)		

2.4.13. Consistent Time / Time Server / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
CT_Client_Synch	3	R	50569 (ddeldotto) 50698 (ddeldotto) 50927 (fmiller) 50650 (fmiller) 51440 (fmiller) 53371 (paulsherman) 50659 (ddeldotto) 50783 (ddeldotto) 50532 (ddeldotto) 50714 (ddeldotto) 53590 (paulsherman) 50665 (ddeldotto) 50819 (fmiller)		
CT_Pool	1	R	50590 (ddeldotto)		

2.4.14. Audit Trail and Node Authentication / Secure Node / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
ATNA_Audit_Msg_Check	1	R	50789 (bialecki)		
ATNA_Authenticate_Error_Cases	1	O			
ATNA_Authenticate_with_Tool	1	R	50745 (kastelein)		
ATNA_Logging	3	R	52675 (mastali) 52867 (mastali) 51774 (sloane)		
ATNA_Questionnaire	1	R	50748 (kastelein)		

2.4.15. Cross-Enterprise Document Sharing / Document Repository / NONE

See below the details of the test instances performed for this Integration Profile/Actor/Option

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
Meta test: Meta_Doc_Repository_Retrieve (All tests)	3	R	53914 (aboufahj) 53143 (jlaivalley) 53606 (aboufahj) 52870 (oherrmann) 53612 (hayes) 52276 (koka) 52671 (koka) 52909 (schwartz) 53225 (jlaivalley)		
XDS.b_Consumer_Query_Retrieve (Meta_Doc_Repository_Retrieve)			53143 (jlaivalley) 52870 (oherrmann) 52276 (koka) 52671 (koka) 52909 (schwartz) 53225 (jlaivalley)		
XDS-I.b_Retrieve_CDA_Img_Report (Meta_Doc_Repository_Retrieve)					
XDS-I.b_Retrieve_DICOM_C-MOVE (Meta_Doc_Repository_Retrieve)			53914 (aboufahj)		
XDS-I.b_Retrieve_DICOM_WADO (Meta_Doc_Repository_Retrieve)			53606 (aboufahj)		
XDS-I.b_Retrieve_Img_Doc_Set (Meta_Doc_Repository_Retrieve)			53612 (hayes)		
XDS-I.b_Retrieve_PDF_Report (Meta_Doc_Repository_Retrieve)					
XDS-I.b_Retrieve_Text_Report (Meta_Doc_Repository_Retrieve)					
Meta test: Meta_Doc_Repository_Store (All tests)	3	R	53303 (moulton) 52505 (metz) 52411 (moulton) 53431 (cheaib) 52394 (koka) 52735 (metz) 51837 (moulton) 53107 (cheaib) 52937 (metz) 53365 (moulton) 53188 (cheaib)		
XDS.b_Doc_Source_Stores_Document (Meta_Doc_Repository_Store)			52505 (metz) 53431 (cheaib) 52394 (koka) 52735 (metz) 53107 (cheaib) 52937 (metz) 53188 (cheaib)		
XDS-I.b_Store_CDA_Imaging_Report (Meta_Doc_Repository_Store)					

Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS-I.b_Store_DICOM_Manifest (Meta_Doc_Repository_Store)			53303 (moulton) 52411 (moulton) 51837 (moulton) 53365 (moulton)		
XDS-I.b_Store_PDF_Report (Meta_Doc_Repository_Store)					
XDS-I.b_Store_Text_Report (Meta_Doc_Repository_Store)					
XDS.b_Document_Addendum	1	O	52283 (cheaib)		
XDS.b_Document_Replace	1	O	53362 (metz) 52653 (cheaib)		
XDS.b_Document_Transformation	1	O	52656 (metz)		
XDS.b_Error_Reporting	1	R	51895 (aboufahj) 52678 (jlaivalley)		
XDS.b_Folder_Mgmt_with_Real_Peer	1	O			
XDS.b_Repository_Do_This_First	1	R	50622 (jlaivalley)		

2.4.16. Cross-Enterprise Document Sharing / Document Registry / PAT_IDENTITY_FEED_HL7V2

See below the details of the test instances performed for this Integration Profile/Actor/Option

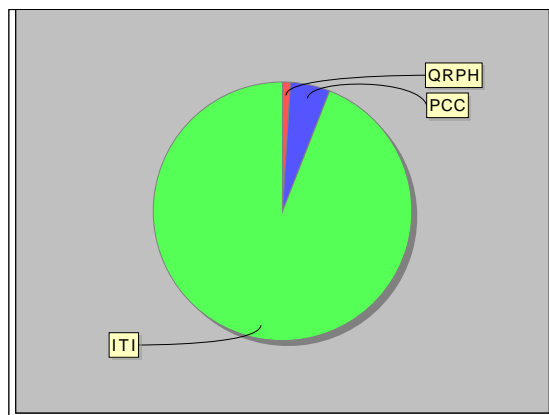
Test (Meta Test)	#	Opt	Verified	Failed	Partially V
XDS.b_Simple_HL7v2_Feed	1	R	51766 (cheaib)		

2.5. Statistics

This section gathers some statistics on test instances. Only passed, failed and partially verified test instances are represented there.

2.5.1. Test instances per domain

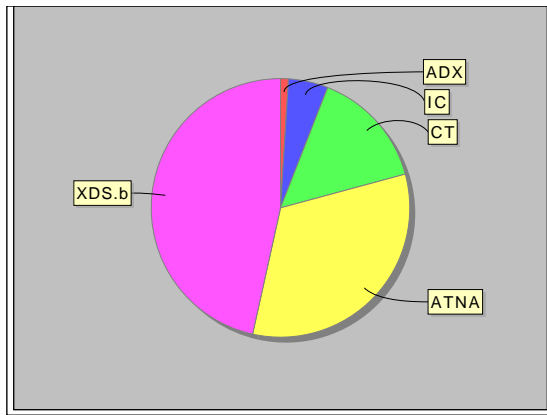
Below is the distribution of test instances performed according to the various IHE domains your system was registered for.



Domain	nb of TI
QRPH	1
PCC	5
ITI	95

2.5.2. Test instances per integration profile

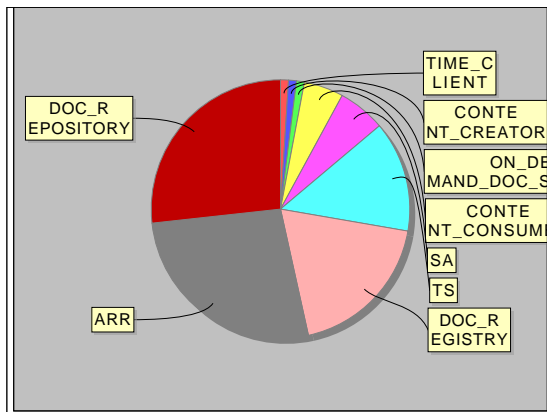
Below is the distribution of test instances performed according to the various IHE integration profiles your system was registered for.



Integration profile	nb of TI
ADX	1
IC	5
CT	15
ATNA	33
XDS.b	47

2.5.3. Test instances per actor

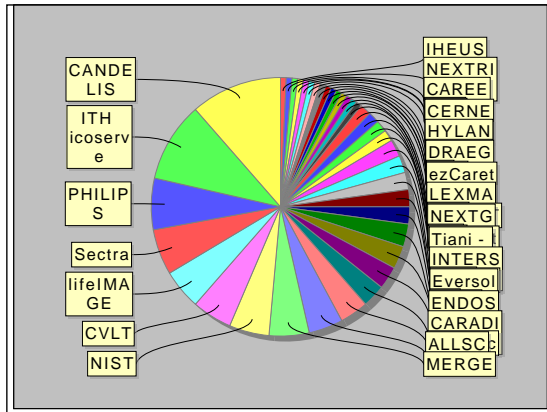
Below is the distribution of test instances performed according to the various IHE actors your system was registered for.



Actor	nb of TI
TIME_CLIENT	1
CONTENT_CREATOR	1
ON_DEMAND_DOC_SOURCE	1
CONTENT_CONSUMER	5
SA	6
TS	14
DOC_REGISTRY	19
ARR	27
DOC_REPOSITORY	27

2.5.4. Test instances per partner (organization level)

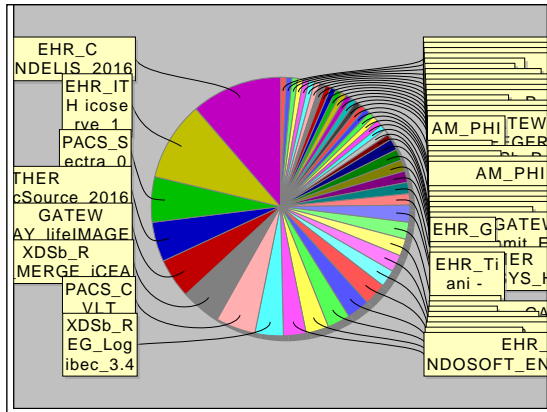
Below is the distribution of test instances performed per peer organization



Organization	nb of TI
IHEUSA	1
NEXTRIALS	1
CAREEV	1
ICW	1
Epic	1
CERNER	1
HYLAND	1
QVERA	1
DRAEGER	1
SS	1
CPC	1
ezCaretech	1
LEXMARK	1
SDB	1
TYSOFT	1
NEXTGATE	2
GW	2
IOD	2
Summit	2
Tiani - Cisco	3
INTERSYS	3
EMC	3
LAITEK	3
Eversolve	3
GE	4
DELL	4
ENDOSOFT	4
CARADIGM	4
Logibec	5
ALLSCRIPTS	6
MERGE	7
NIST	7
CVLT	7
lifelIMAGE	7
Sectra	8
PHILIPS	9
ITH icoserve	14
CANDELIS	16

2.5.5. Test instances per partner (system level)

Below is the distribution of test instances performed per peer system

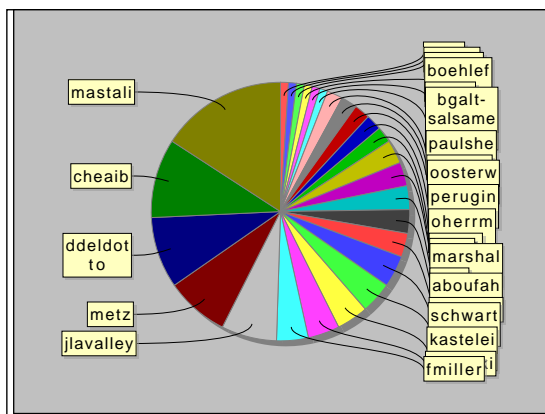


System	nb of TI
OTHER_QVERA_QIE_2016	1
CONTENT_CREATOR_LEXMARK_PACS_GEAR_CLARON	1
GATEWAY_CERNER_2016	1
REPORTER_SDB_F Line	1
EHR_ezCaretech_0	1
MOD_GE_LE9_R6	1
GATEWAY_SS_NRLS	1
OTHER_CAREEV_2016	1
OTHER_OpenHIE_AlertAggregator	1
PIX_MGR_NEXTGATE_2	1
XDSb_REG_NEXTGATE_1	1
PACS_TYSOFT_1	1
GATEWAY_CPC_2016	1
FORM_MGR_NEXTRIALS_E2E	1
GATEWAY_DRAEGER_2016	1
AM_PHILIPS_IEM_1.1.03	1
EHR_Epic_2	1
XDSb_REP_HYLAND_2016	1
PIX_MGR_ICW	1
CIS_PHILIPS_AWARE	1
AM_PHILIPS_PIC-iX_CareEvent_B	1
CONTENT_CONSUMER_GE_2016	1
OTHER_IHEUSA_ATNA_Tool_2016	1
MOD_PHILIPS_US_Sparq_CX50_2016	2
EHR_GW_CCDA_2016	2
EHR_ALLSCRIPTS	2
GATEWAY_Summit_Exchange	2
EHR_GE_CPS 12	2
GATEWAY_IOD	2
OTHER_INTERSYS_HIE	3
EHR_Tiani - Cisco_3.1	3
PACS_LAITEK	3
GATEWAY_FEI_IEx Hub_PatientPortal	3
OTHER EMC	3
OTHER_DELL_2016	4
EHR_ALLSCRIPTS_AMBULATORY	4
XDSb_REP_CARADIGM	4
PIX_MGR_PHILIPS	4
EHR_ENDOSOFT_ENDOVAULT	4

EHR_ENDOSOFT_E NDOVAULT	4
XDSb_REG_Logibec _3.4	5
PACS_CVLT	7
XDSb_REG_MERGE _ICEA	7
GATEWAY_lifeIMAG E	7
OTHER_NIST_DocS ource_2016	7
PACS_Sectra_0	8
EHR_ITH_icoserve_1	14
EHR_CANDELIS_20 16	16

2.5.6. Test instances per monitor

Below is the distribution of test instances verified per monitor



Monitor	nb of TI
lynn	1
sunilb	1
sloane	1
boehlefeld	1
wang	1
bgalt-salsamendi	1
paulsherman	2
killkelly	2
oosterwijk	2
perugini	2
oherrmann	2
hays	3
koka	3
marshall	3
levy	3
aboufahj	3
moulton	4
schwartz	4
kastelein	4
bialecki	4
fmiller	4
jlavalley	7
metz	8
ddeldotto	9
cheaib	10
mastali	16

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