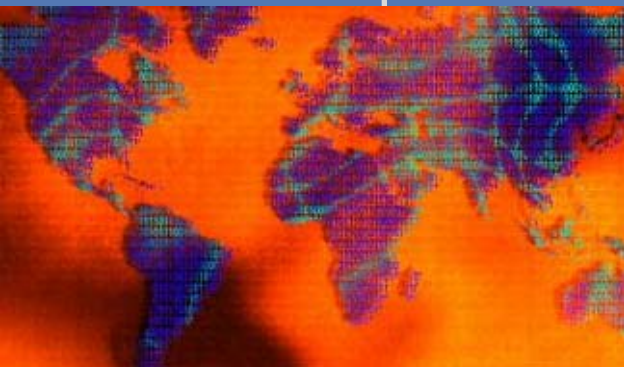




IBM Global Business Services
Systema Human Information Systems
Gruber Ärztliche Datenverarbeitung

IHE XDS Showcase

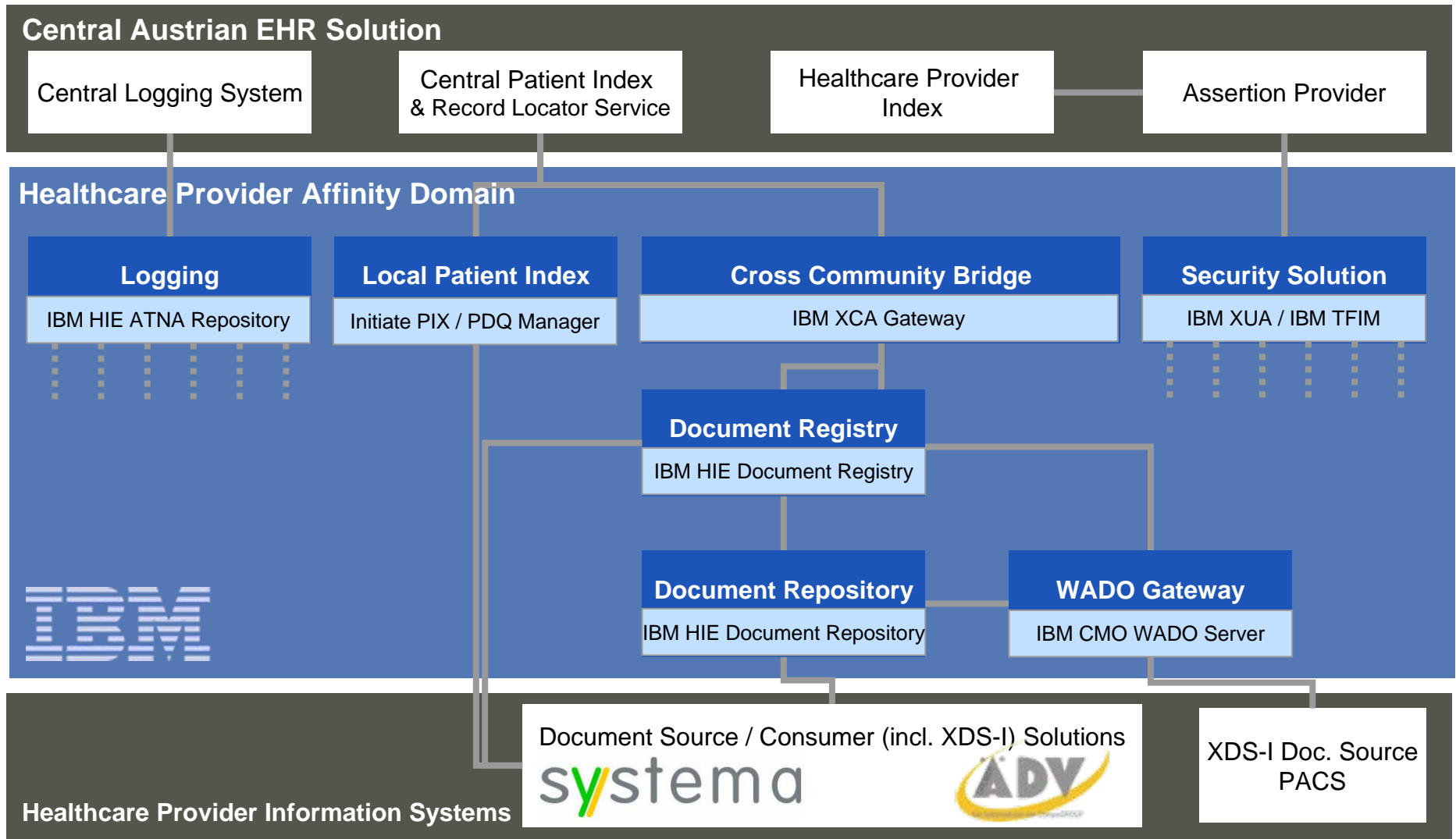


Dr. Eva Deutsch, IBM
Ralph Deleja-Hotko, Gruber ÄDV
Wolfgang Prettnner, Systema
DI Christian Wagner, IBM

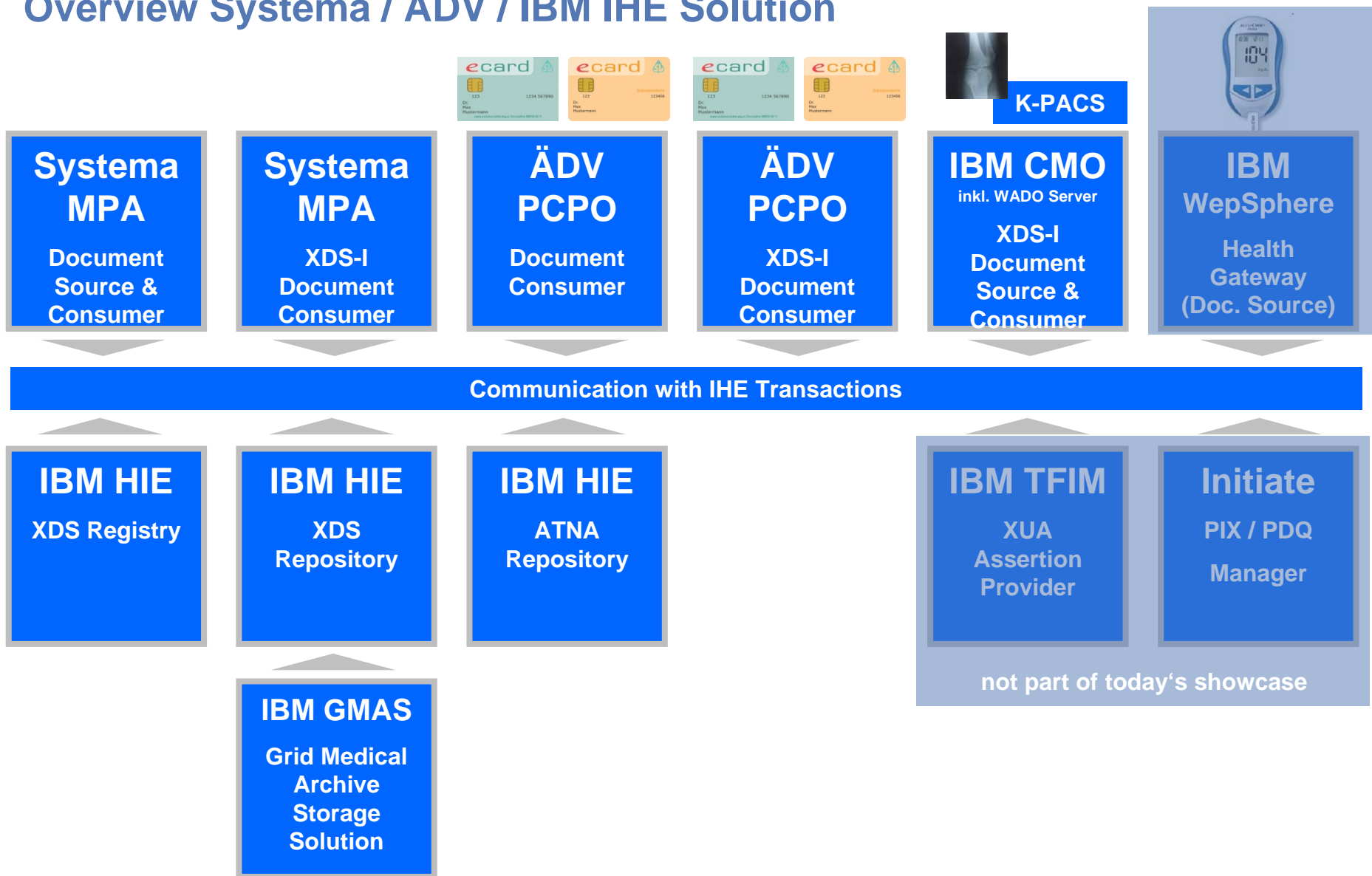
Agenda

1. Overview Demo Implementation
2. „Live“ Demonstration of Use Case

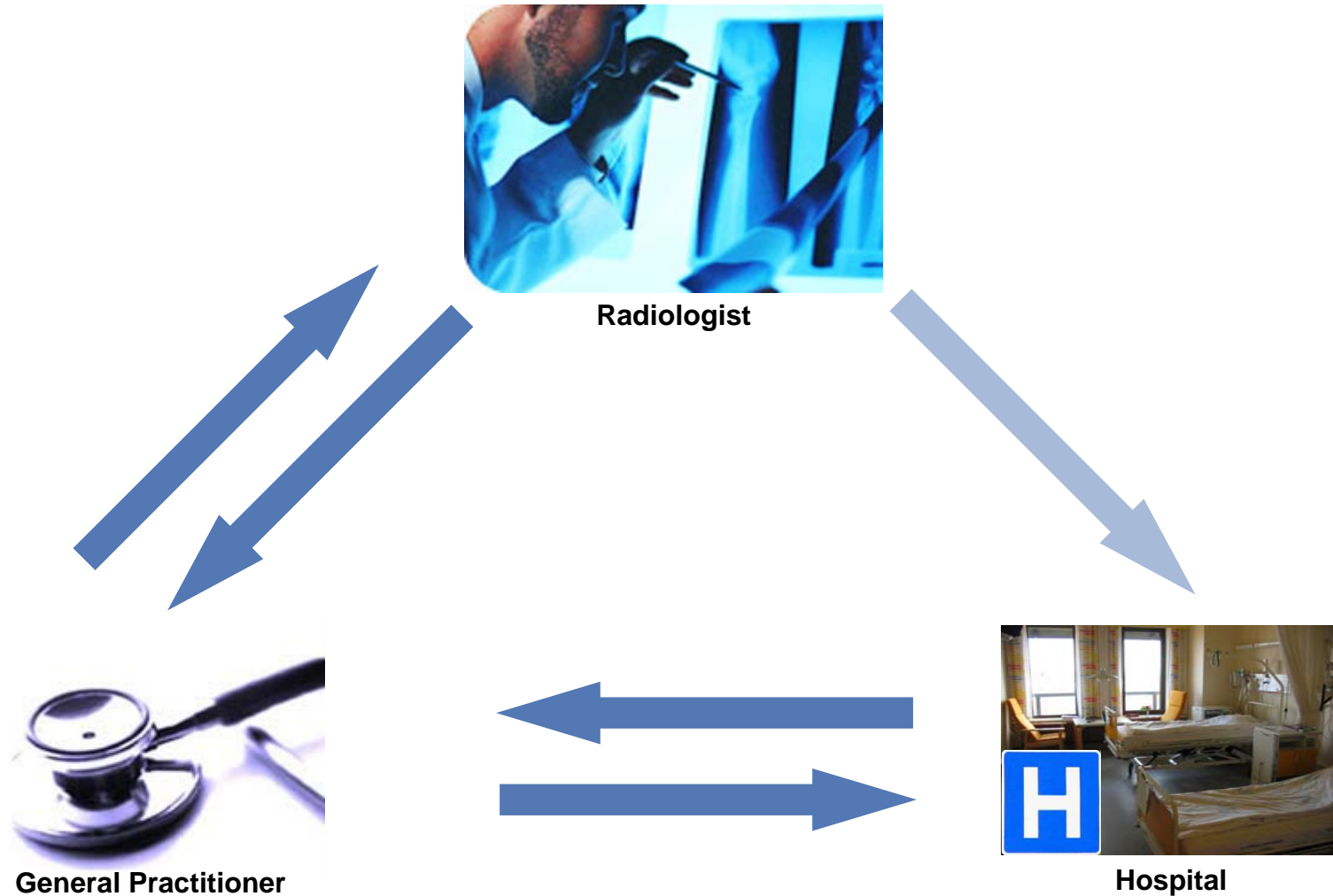
Future-Oriented connection of healthcare providers based on Systema / ÄDV / IBM IHE solutions



Overview Systema / ÄDV / IBM IHE Solution



Overview Demo Use Case - Patient with knee pains



Use Case IHE Showcase

>> Patient with knee pains

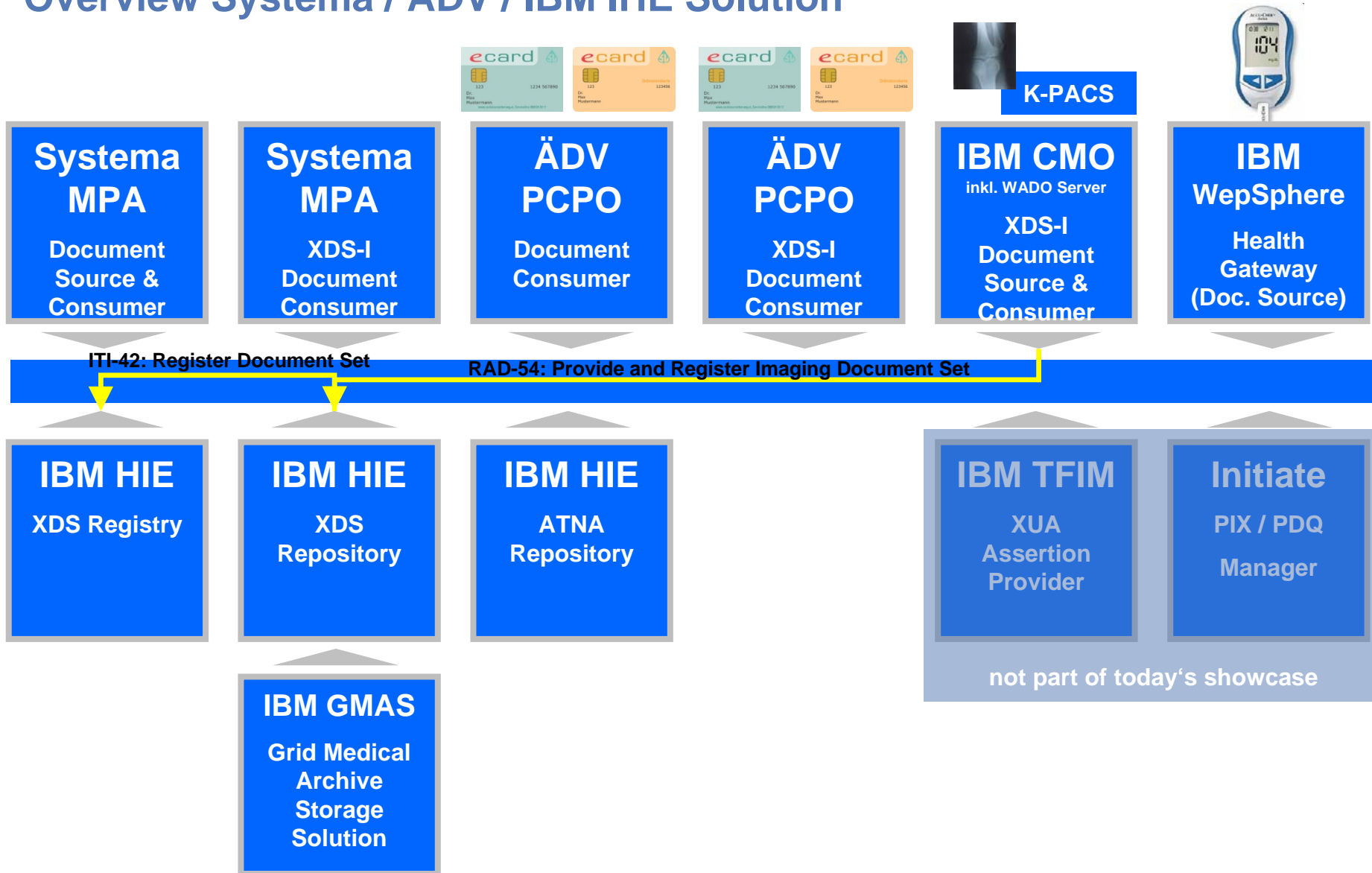
1. The patient complains of heavy knee pains
2. He visits the GP which transfers him to a radiologist
3. **The radiologist make the analysis and creates a diagnostic finding**

- Patient search
- View Image
- Transfer Image to EHR
- Transfer Report to EHR



Radiologist

Overview Systema / ÄDV / IBM IHE Solution



Use Case IHE Showcase

>> Patient with knee pains

4. The diagnostic finding is read by the GP

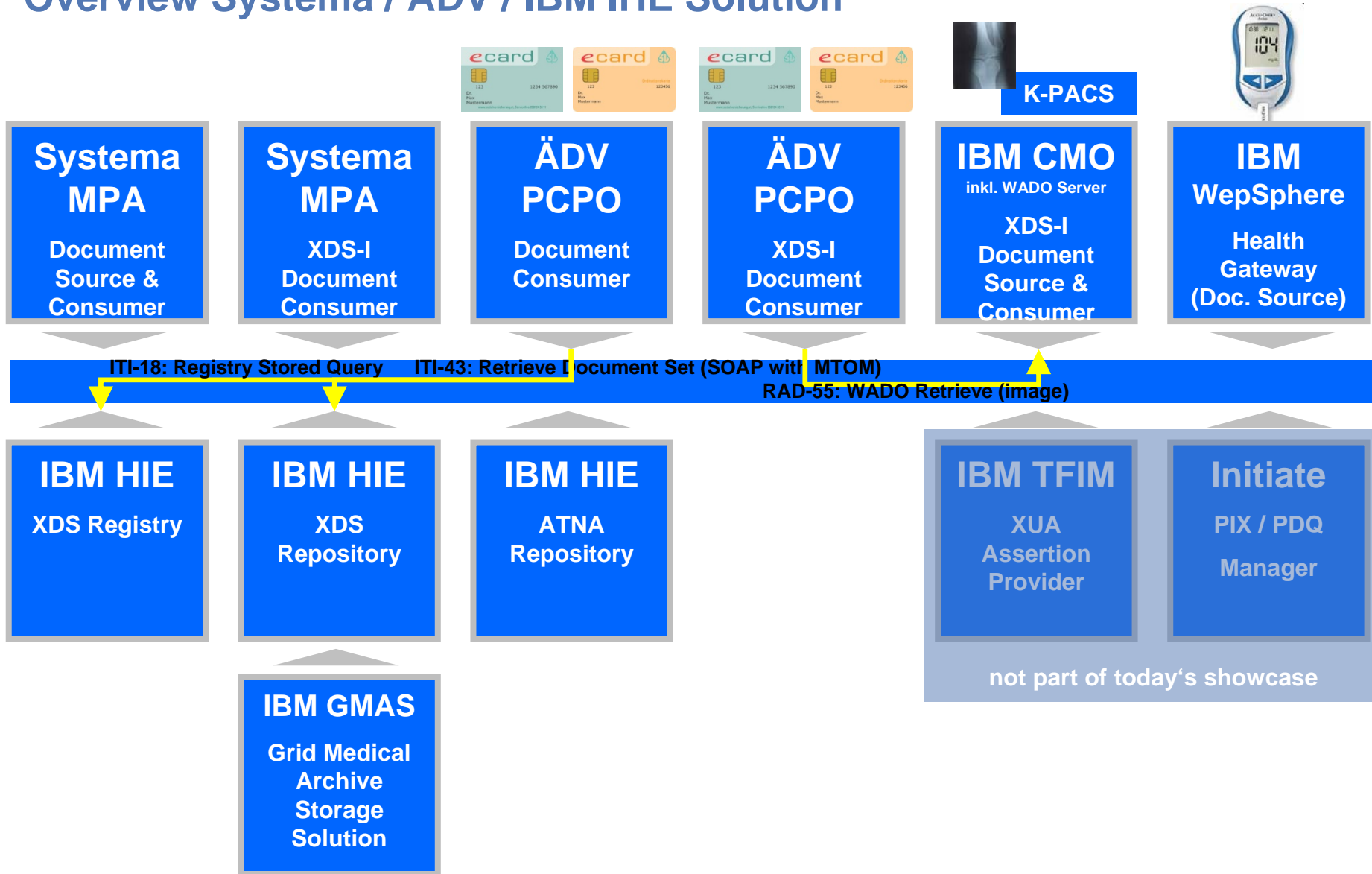
- e-Card – patient search
- Link to IHE
- Show Registry Content/Finding(s)
- View Medical Documentation
- View Image using WADO

GP transfers patient to a hospital



General Practitioner

Overview Systema / ÄDV / IBM IHE Solution



not part of today's showcase

Use Case IHE Showcase

>> Patient with knee pains

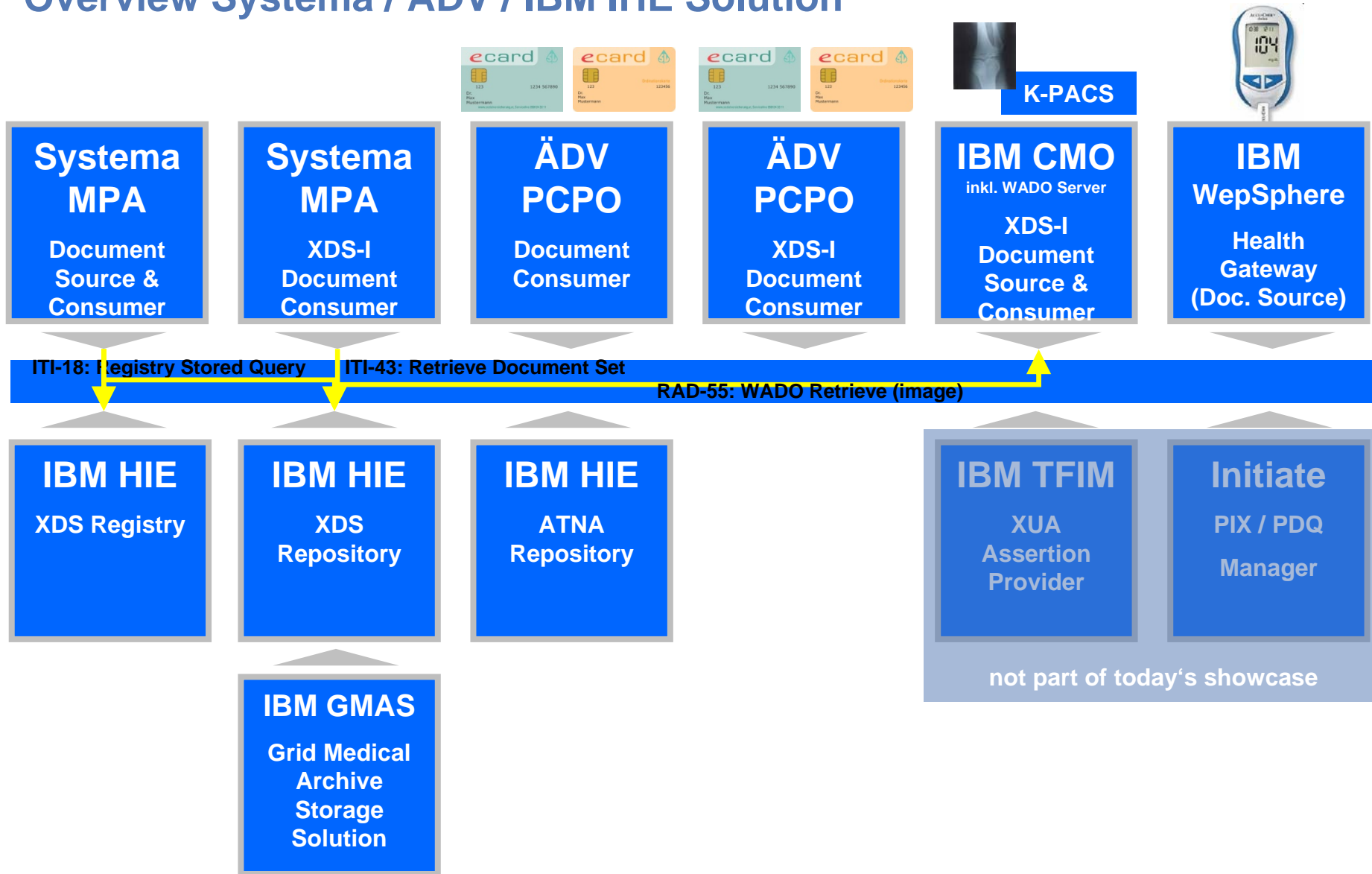
5. The patient is medicated in the hospital → physician reads IHE documents

- View Patient History
- Import of EHR Documents
- View Medical Documentation
- View Image using WADO



Hospital

Overview Systema / ÄDV / IBM IHE Solution



IBM TFIM XUA Assertion Provider
Initiate PIX / PDQ Manager
not part of today's showcase

Use Case IHE Showcase

>> Patient with knee pains

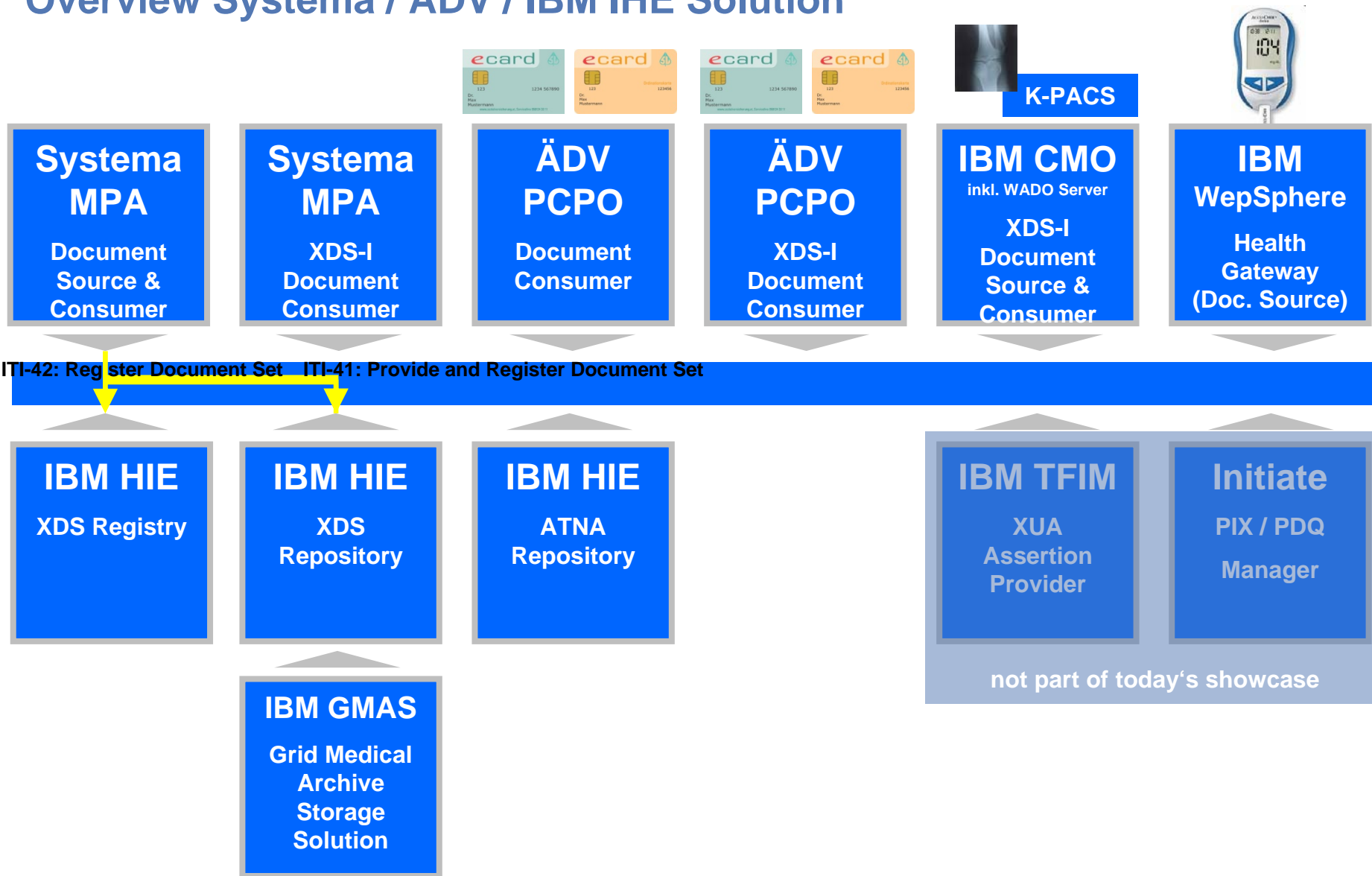
6. The patient is discharged → physician stores documents

- Finalise Clinical Documentation for EHR
- Export document to EHR



Hospital

Overview Systema / ÄDV / IBM IHE Solution



Use Case IHE Showcase

>> Patient with knee pains

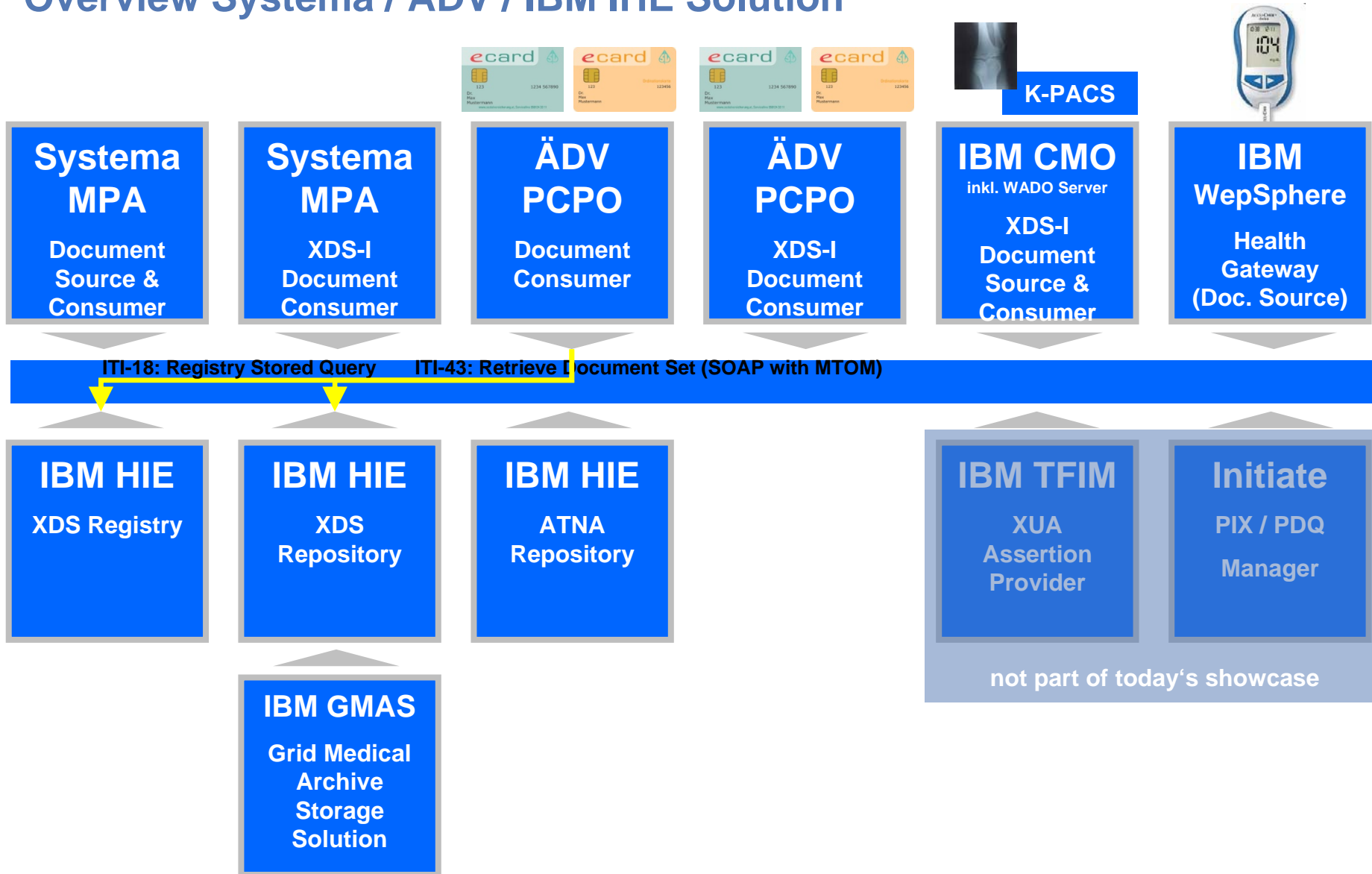
7. The patient get an after treatment at the GP

- e-Card – patient search
- Link to IHE
- Show Registry Content/Finding(s)
- View Medical Documentation



General Practitioner

Overview Systema / ÄDV / IBM IHE Solution



ATNA Transaction View

Audit_Record_ID	ID	SourceApplication	EventCategory	EventSubCategory	RequestingUser
2008-09-01 11:05:35.3	9951086015^^^&1.3.6.		Import	Provide and Register Document Set	IBM Repository
2008-09-01 11:05:35.25	9951086015^^^&1.3.6.		Export	Register Document Set	IBM Repository
2008-09-01 11:05:34.70	9951086015^^^&1.3.6.		Import	Register Document Set	
2008-09-01 11:01:13.11	9951086015^^^&1.3.6.		Export	Retrieve Document	IBM Repository
2008-09-01 11:01:06.03	9951086015^^^&1.3.6.	com.ibm.ihii.registry.adap	Export		
2008-09-01 11:01:05.84	9951086015^^^&1.3.6.		Export	Register Document Set	com.ibm.ihii.registry.adap
2008-09-01 11:01:05.84	9951086015^^^&1.3.6.		Export	Register Document Set	
2008-09-01 11:00:36.20	9951086015^^^&1.3.6.		Export	Retrieve Document Set	IBM Repository
2008-09-01 10:59:36.03	9951086015^^^&1.3.6.	com.ibm.ihii.registry.adap	Export		
2008-09-01 10:59:35.89	9951086015^^^&1.3.6.		Export	Register Document Set	com.ibm.ihii.registry.adap
2008-09-01 10:59:35.89	9951086015^^^&1.3.6.		Export	Register Document Set	
2008-09-01 10:43:10.58	9951086015^^^&1.3.6.	com.ibm.ihii.registry.adap	Export		
2008-09-01 10:43:10.45	9951086015^^^&1.3.6.		Export	Register Document Set	com.ibm.ihii.registry.adap
2008-08-30 13:08:03.23	9951086015^^^&1.3.6.		Export	Retrieve Document	IBM Repository
2008-08-29 18:31:59.78	9951086015^^^&1.3.6.	com.ibm.ihii.registry.adap	Export		
2008-08-29 18:31:59.75	9951086015^^^&1.3.6.		Export	Register Document Set	com.ibm.ihii.registry.adap
2008-08-29 18:31:59.75	9951086015^^^&1.3.6.		Export	Register Document Set	
2008-08-29 18:31:39.23	9951086015^^^&1.3.6.		Export	Retrieve Document Set	IBM Repository
2008-08-29 18:31:08.76	9951086015^^^&1.3.6.		Export	Retrieve Document	IBM Repository

- Listing of the used transactions
- Can be reused for logging views
 - patient portal
 - data security control



Questions



Working online with PC-po 2000

module eCard	<ul style="list-style-type: none"> • Recall eCard data • Check insurance contract
module eForm	<ul style="list-style-type: none"> • Fill out electronic form • upload form data (e.g. preventive medical examination) • Download and process form data
DMP Disease Management Programm	<ul style="list-style-type: none"> • Inscribe a patient • Send documentation
Device interfaces	<ul style="list-style-type: none"> • Data exchange with maging devices • Laboratory device communication
Electronic accounting	<ul style="list-style-type: none"> • Upload accounting of medical services to sozial insurance agency
Remote access	<ul style="list-style-type: none"> • Worldwide acces to local surgery system • GINA to Web • Web to GINA
IHE	<ul style="list-style-type: none"> • Exchange medical patient data • Document consumer XDS, XDS-I (DICOM, CDA)