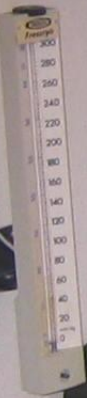


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Filtering a health course (episode)

- ❖ **disease:** K86 hypertension
- ❖ **category:** Infections
- ❖ **chapter:** Circulatory
- ❖ **mix of two or three of the above**



Filtering a health course (episode)

EMR: contact- and episode diagnoses

Kontaktdiagnoser

15.02.07	N01 Hovedpine K85 Forhøjet blodtryk T82 Fedme
06.06.07	K85 Forhøjet blodtryk
13.07.07	K86 Ukompliceret hypertension
13.10.07	K86 Ukompliceret hypertension
03.01.08	R75 Sinusitis akuta uden specifikation
05.02.08	K86 Ukompliceret hypertension
06.03.08	L08 Symptomer/klager skulder - venstre
21.05.08	K86 Ukompliceret hypertension
17.06.08	K86 Ukompliceret hypertension
04.08.08	L08 Lændesmerter
05.11.08	K86 Ukompliceret hypertension
11.11.08	R76 Akut tonsilit
05.02.09	L08 Lændesmerter

Problemlist / Episode diagnoses

<input checked="" type="checkbox"/>	K86 Ukompliceret hypertension	2007
<input type="checkbox"/>	T82 Fedme	2007



Filtering a health course (episode)

Filtering on episode

Kontaktdiagnoser

15.02.07	N01 Hovedpine K85 Forhøjet blodtryk T82 Fedme
06.06.07	K85 Forhøjet blodtryk
13.07.07	K86 Ukompliceret hypertension
13.10.07	K86 Ukompliceret hypertension
05.02.08	K86 Ukompliceret hypertension
21.05.08	K86 Ukompliceret hypertension
17.06.08	K86 Ukompliceret hypertension
05.11.08	K86 Ukompliceret hypertension
11.02.09	K86 Ukompliceret hypertension

Journal-oplysninger

Anamnese: Blodtrykket er steget og ved sidste BT-kontrol var det heller ikke tilfredsstillende.

Objektiv: Hjemme-BT. Gennemsnit 145/ 90.

Problemlist / Episode diagnoses

<input checked="" type="checkbox"/>	K86 Ukompliceret hypertension	2007
<input type="checkbox"/>	T82 Fedme	2007

World Organization of Family Doctors International Classification Committee



ICPC-2 Update working group

process codes updated with

inclusion criteria and cross-references



Page 25 in ICPC-2R book:

“Rubric in Component 1 and 7 often have additional information as a guide to their use: list of synonyms, similar conditions and less specific codes

There are no such guidelines for rubrics in the process Component 2 to 6”



Developing

❖ *inclusion criteria*

❖ *cross-references*

for ICPC-2 process codes



Why?

- ❖ improve reliability of coding
- ❖ guidance for a precise and more granular mapping to classifications or terminologies
- ❖ enable overview of relevant processes to the current clinical situation
- ❖ inspire the process components of ICPC-3



improve reliability of coding

CODE

*32

Component:

2

TEXT

Sensitivity test

SHORT

Sensitivity test

INCL

skin prick-test/patch test; Mantoux test; radioallergosorbent test (RAST) test; food exposure; methacholine challenge

EXCL

desensibilisation *44

CRITERIA

tests to detect/exclude allergy/intolerance



improve reliability of coding

CODE

*44

Component:

2

TEXT

Preventive immunization/medication

INCL

active immunisation, passive immunisation (sera, gammaglobulin, RhD imm
with drugs, **desensibilisation**

CRITERIA

suspension of attenuated or killed microorganisms (viruses, bacteria, or rick
them/antibiotics treatment administered for prevention infectious diseases.



improve reliability of coding

CODE

*40

Component:

2

TEXT

Diagnostic endoscopy

INCL

rhino-/pharyngo-/laryngo-/tracheo-/broncho-/mediastino-/hystero-/colpo-/laparo-/gatro-/colono-/sigmoideo-/recto
/arthrosopy

EXCL

oftalmoscopy *43; fundoscopy *43; dermoscopy *43

CRITERIA

looking inside the body for medical reasons using an endoscope, an instrument used to examine the interior of a ho
organ or cavity of the body



improve reliability of coding

12

CODE

*43

Component:

2

TEXT

Other diagnostic procedure

INCL

all forms of ophthalmoscopy; **dermoscopy**; diagnostic laparotomy

EXCL

Helicobacter pylori breath test *38; thin needle biopsy *52; lumbar puncture *52; sternal puncture *52



guidance for granular mapping

SNOMED-CT

- [-] Diagnostic endoscopy
 - [+] Diagnostic antroscopy via canine fossa
 - Diagnostic antroscopy via inferior meatus
 - [+] Diagnostic arthroscopy of joint
 - [+] Diagnostic bronchoscopy
 - [+] Diagnostic culdoscopy with biopsy
 - Diagnostic culdoscopy with tubal sterilisation
 - [+] Diagnostic cystoscopy
 - Diagnostic endoscopic examination of duodenum and biopsy of lesion of duodenum
 - Diagnostic endoscopic examination of sigmoid colon using rigid sigmoidoscope
 - [+] Diagnostic endoscopy of ureter
 - Diagnostic fibreoptic endoscopic examination of lower respiratory tract and brush cytology of lesion of lower respiratory tract
 - Diagnostic fibreoptic endoscopic examination of lower respiratory tract and lavage of lesion of lower respiratory tract
 - Diagnostic fibreoptic endoscopic examination of lower respiratory tract with biopsy lavage and brush cytology of lesion of lower respiratory tract
 - Diagnostic fibreoptic endoscopic examination of lower respiratory tract with lavage and brush cytology of lesion of lower respiratory tract
 - [+] Diagnostic flexible fibreoptic oesophagoscopy
 - Diagnostic gastroscopy via stoma
 - Diagnostic hysteroscopy
 - [+] Diagnostic laparoscopy
 - [+] Diagnostic laryngoscopy
 - Diagnostic mediastinoscopy and thoracoscopy with ventilation of lung
 - [+] Diagnostic nasendoscopy
 - Diagnostic pharyngoscopy
 - Diagnostic proctoscopy
 - Diagnostic proctoscopy and biopsy of lesion of rectum
 - Diagnostic rigid oesophagoscopy
 - Diagnostic thoracoscopy of mediastinal space
 - Diagnostic thoracoscopy of pericardial sac
 - [+] Diagnostic tracheoscopy
 - [+] Diagnostic urethroscopy



guidance for granular mapping

Finish-version

Includes different diagnostic endoscopies performed during the encounter

40.1. Otomicroscopy, assessment of the ear drum

40.2. Rhino-, pharyngo- and laryngoscopy

40.3. Oesophago-, gastro- and duodenoscopy

40.4. Endoscopies of the intestines

40.3.1. Colonoscopy

40.3.2. Sigmoidoscopy

40.3.3 Proctoscopy / Anoscopy

40.3.4. Rectoscopy



Overview of the process codes

International master for national adaptations

-30 Medical Examination/Evaluation-Complete	-50 Medicat-Script/Reqst/Renew/Inject
-31 Medical Examination/Health Evaluation-Partial	-51 Incise/Drain/Flush/Aspirate
-32 Sensitivity Test	-52 Excise/Remove/Biopsy/Destruction/Debride
-33 Microbiological/Immunological Test	-53 Instrument/Catheter/Intubate/Dilate
-34 Blood Test	-54 Repair/Fixate-Suture/Cast/Prosthetic
-35 Urine Test	-55 Local Injection/Infiltration
-36 Faeces Test	-56 Dress/Press/Compress/Tamponade
-37 Histological/Exfoliative Cytology	-57 Physical Medicine/Rehabilitation
-38 Other Laboratory Test NEC	-58 Therapeutic Counselling/Listening
-39 Physical Function Test	-59 Other Therapeutic Procedure NEC
-40 Diagnostic Endoscopy	-60 Results Tests/Procedures
-41 Diagnostic Radiology/Imaging	-61 Results Exam/Test/Record
-42 Electrical Tracings	-62 Administrative Procedure
-43 Other Diagnostic Procedures	-63 Follow-up Encounter Unspecified
-44 Preventive Imunisations/Medications	-64 Encounter Initiated by Provider
-45 Observe/Educate/Advice/Diet	-65 Encounter Initiated third person
-46 Consult with Primary Care Provider	-66 Refer to Other Provider (EXCL. M.D.)
-47 Consultation with Specialist	-67 Referral to Physician/Specialist/Clinic/Hospital
-48 Clarification/Discuss Patient's RFE	-68 Other Referrals NEC
-49 Other Preventive Procedures	-69 Other Reason for Encounter NEC



Enable overview of relevant processes
to the current clinical situation

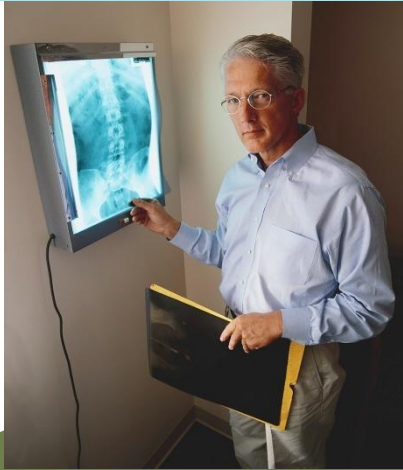


15

**Without ICPC you forget or overlook
easily record data**

ICD-10 < > ICPC back and forth

Secondary



Sector

Episode of care

Discharge summary
with ICD-10 code

**ICD-10 code mapped
to ICPC**

Episode of care

Referral
with ICD-10 code

Primary



Sector



Overview of relevant processes

Discharge summary

Kontakt diagnoser		Journal-oplysninger	
07.06.06	799 Metabolisk syndrom	Anamnese: Objektiv: Plan:	
08.08.06	S70 Herpes zoster		
06.09.06	U71 Blærebetændelse		
08.05.07	799 Metabolisk syndrom		
12.02.08	T86 Myksødem		
07.03.08	X11 Klimakteriel(t) symptom/klage		
05.01.09			
07.01.09	<i>K76 Chronic ischaemic heart disease, unspecified</i>		

Discharge summary from Odense University Hospital

Diagnosis: ***K76 Chronic ischaemic heart disease, unspecified*** (I25.9)

Process: * **41** **eccocardiography** (UXUC80)

* **41** **thorax radiology** (UXRC00)

* **42** **Holter monitor** (ZZ4020)



Filtering of process “diagnosis”

-30 Medical Examination/Evaluation-Complete	-50 Medicat-Script/Reqst/Renew/Inject
-31 Medical Examination/Health Evaluation-Partial	-51 Incise/Drain/Flush/Aspirate
-32 Sensitivity Test	-52 Excise/Remove/Biopsy/Destruction/Debride
-33 Microbiological/Immunological Test	-53 Instrument/Catheter/Intubate/Dilate
-34 Blood Test	-54 Repair/Fixate-Suture/Cast/Prosthetic
-35 Urine Test	-55 Local Injection/Infiltration
-36 Faeces Test	-56 Dress/Press/Compress/Tamponade
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Overview of relevant processes

Filtering on process

Kontakt diagnoser

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05.11.08	K86 Ukompliceret hypertension
11.02.09	K86 Ukompliceret hypertension

Journal-oplysninger

Anamnese: Blodtrykket er steget og kontrol var det heller ikke tilfredsstillende

Objektiv: Hjemme-BT. Gennemsnit 1

Forløbsdiagnoser

<input checked="" type="checkbox"/>	K86 Ukompliceret hypertension
<input type="checkbox"/>	T82 Fedme

Process diagnoses

6/6-07 X-ray of lungs: i. a. ***41**

6/1-08 ECG: left-hypertrophi ***42**

1/2-08 Eccocardiogram: EF 30 %



ICPC-2 is in use i many contries
and will be primary care classification
for at least ***10 years***

***IT IS NOT TOO LATE TO IMPROVE
THE PROCESS CODES***