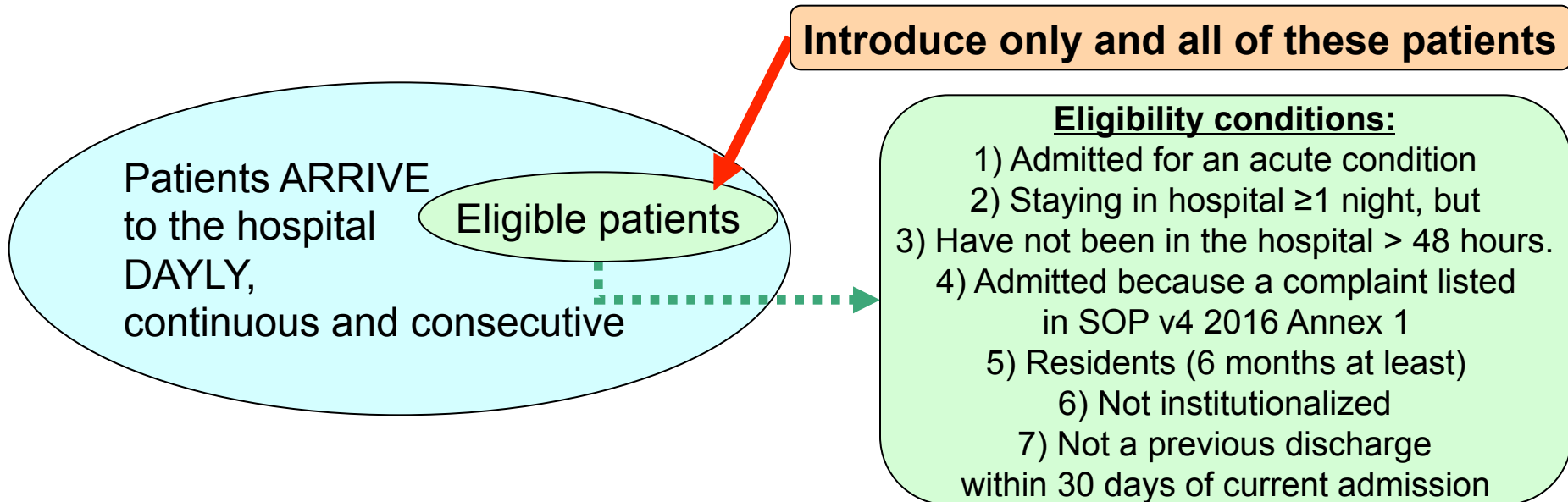


## Documents to use in order to introduce data properly

The following files must be read and taken into account before introducing data on datasets (see them in <http://grupos.fisabio.san.gva.es/en/web/gihsn/biblioteca>) :

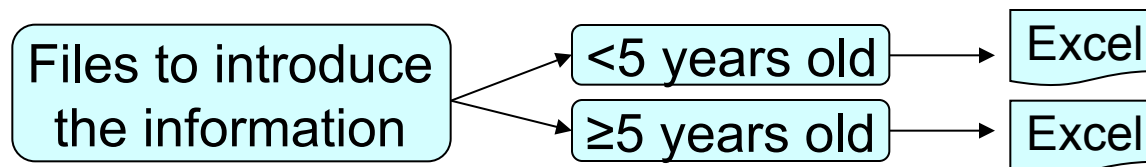
- GIHSN.Core.Protocol\_2016.pdf
- GIHSN\_Standard\_Operating\_Procedures\_v4.0.pdf
- GIHSN\_V2\_less\_than\_5y\_2016\_09\_15.pdf
- GIHSN\_V3\_5y\_and\_more\_2016\_09\_15.pdf

## How to introduce the information of the patients

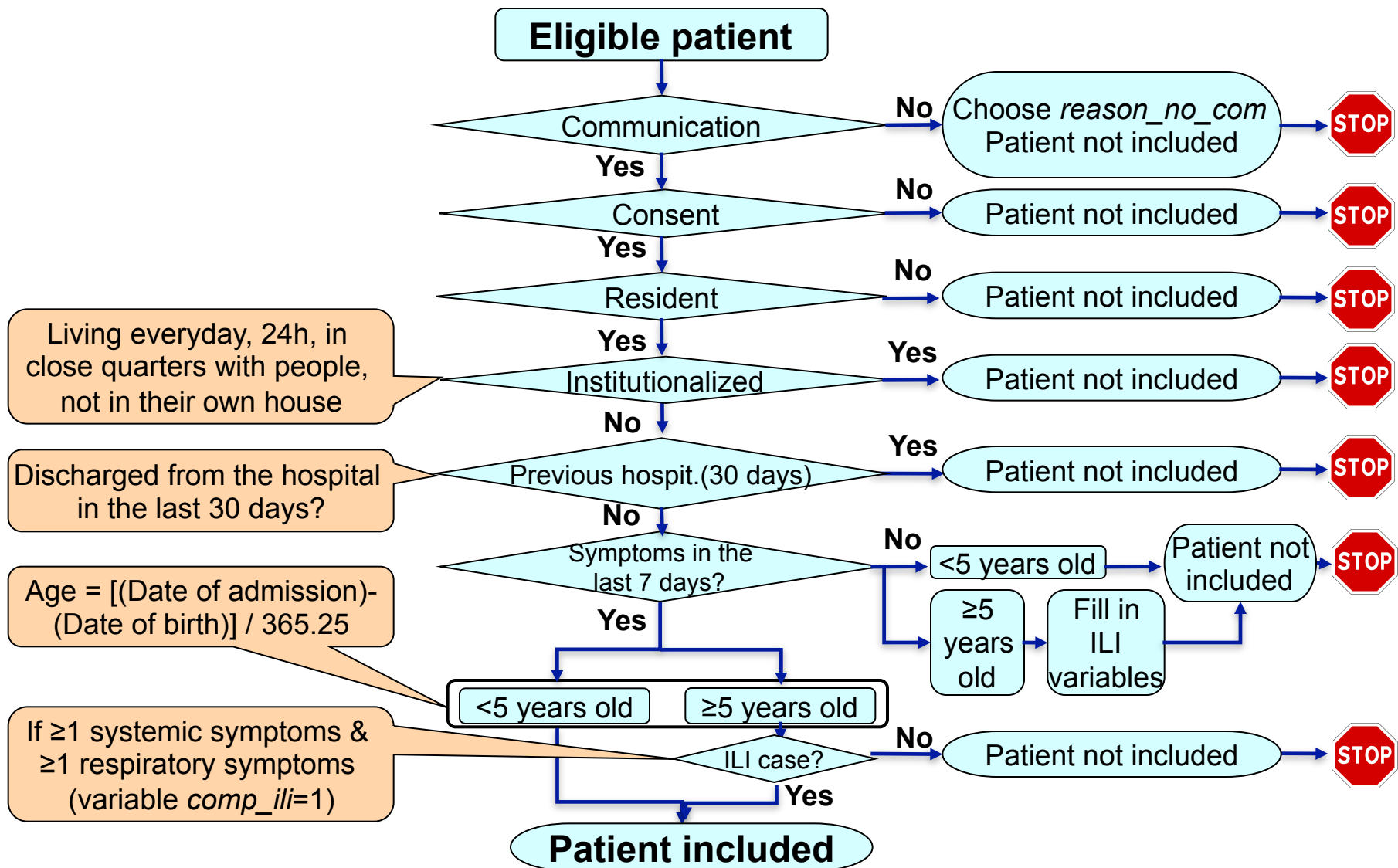


Essential variables to be filled in **for all eligible patients:**

- comp\_a\_diag
- a\_diag
- a\_diag\_icd
- doa
- id\_hospital
- id\_patient
- doq
- sex
- dob
- communication

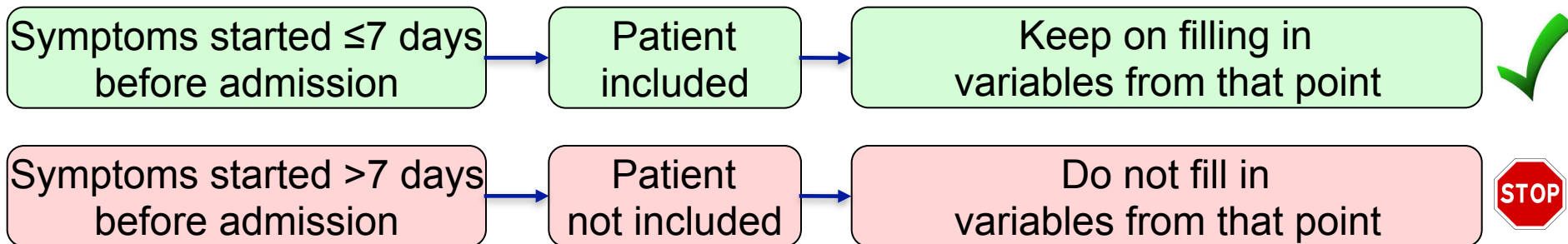


# Flowchart of Inclusion Criteria (1/2)

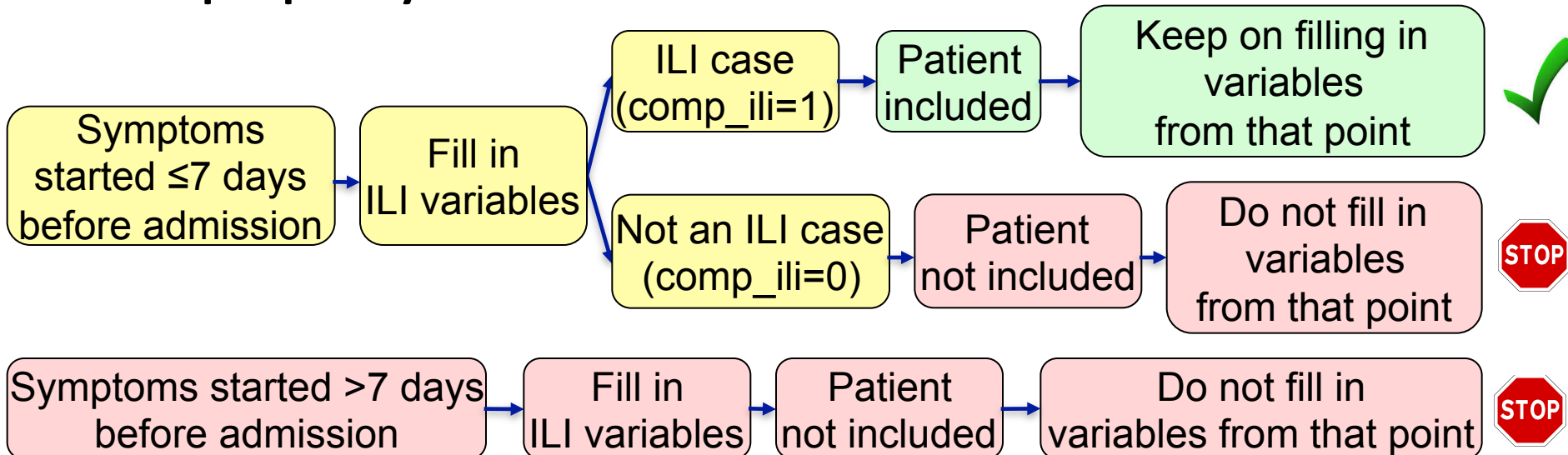


## Notes about the flowchart

- For people under 5 years old:**



- For people 5 years old or more:**



## Date variables

List of date variables:

- doa •doo •swab\_date
- doq •dov •swab\_sent
- dob •dod •dol

All of these date variables  
in ***dd/mm/yyyy*** format

Logical  
sequences



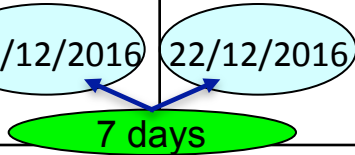
$dob \leq doo \leq doa \leq doq \leq dod$

$doa \leq swab\_date \leq swab\_sent \leq dol$

$dob \leq dov \leq doa$  &  
dov after the end of the previous season  
and before the current admission

## Examples – variables of the flowchart

Patient	Date of birth (dob)	Date of onset of symptoms (doo)	Date of admission (doa)	Symptoms started ≤7 days before admission (sym_7d_yn)	ILI case (comp_ili)	ILI case + symptoms in 7 days (comp_ili_7d)
A1	14/05/1967	15/12/2016	22/12/2016	<del>NO</del> YES		
A2	27/02/2013	11/11/2016	12/11/2016	YES	<del>YES</del>	<del>NO</del>



“sym\_7d\_yn” should be “YES” because doo-doa ≤ 7

ILI variables & “comp\_ili” & “comp\_ili\_7d” only for patients ≥5 years

Patient under 5 years old

## Examples – date variables

Patient	Date of birth ( <i>dob</i> )	Date of onset of symptoms ( <i>doo</i> )	Date of admission ( <i>doa</i> )	Date of questionnaire ( <i>doq</i> )	Date of discharge ( <i>dod</i> )
B1	15/01/1958	20/09/2016	15/09/2016	21/09/2016	11/10/2016
B2	01/02/2000	28/09/2016	04/10/2016	02/10/2016	10/10/2016
B3	20/09/1986	05/11/2016	10/11/2016	11/11/2016	01/12/2015

“doa” prior to  
“doo” (are they  
changed?)

“doq” prior to  
“doa” (are they  
changed?)

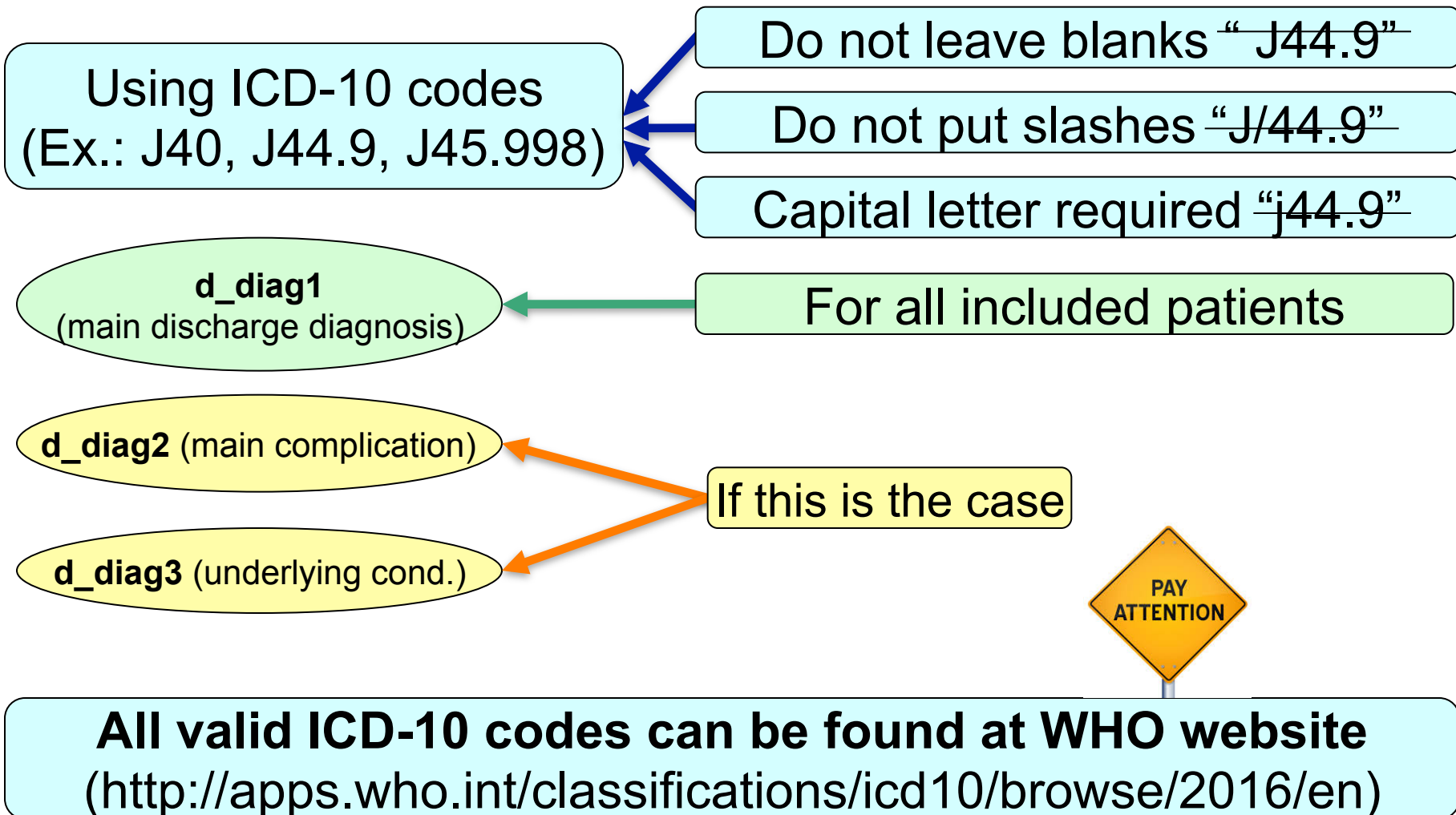
“dod” prior to  
“doa” (wrong  
year?)

Patient	Date of birth ( <i>dob</i> )	Date of vaccination ( <i>dov</i> )	Date of swabbing ( <i>swab_date</i> )	Date of swab sent to lab ( <i>swab_sent</i> )	Date of the laboratory determ. ( <i>dol</i> )
C1	20/02/1970	02/12/2015	21/12/2016	22/12/2016	23/12/2016
C2	16/08/2015	31/10/2016	06/11/2016	06/11/2016	02/11/2016

“dov” can’t be  
before the end of  
the previous  
season

“dol” prior to  
“swab\_date” &  
“swab\_sent”

## Diagnosis variables (at discharge)







- Please, pay attention at **laboratory results**:
  - If there are more than one positive laboratory result, then “lab\_mix” should have the value 1 and all available laboratory results should be marked, too (1 if positive, 0 if negative)
  - “lab\_negative” should have the value 0 in case of having influenza or any other virus confirmed by laboratory, and it should have the value 1 if all available laboratory results are negative
  - For all viruses not analyzed in the laboratory, please leave the answer in blank
- Find additional information on backup slides



**THANK YOU FOR YOUR ATTENTION**

## Examples – wrong & right codes on diagnosis variables

Patient	Wrong code	Right code
D1	a49.3	A49.3
D2	I/20.9	I20.9
D3	I046.09	I46.9
D4	I25.105	I25.1?
D5	J	J00?
D6	J00-J06	J00? J01? J02? J03? J04? J05? J06?
D7	J50.9	-----

Capital letter required

Please, do not put any slash

Please, do not put zeros before the code or subcode

Code I25.105 does not exist. Is it I25.1?

Letter and numbers required

Which code is the right one?

Codes J50.9 & J50 don't exist

## More notes about the flowchart

- Variables about Inclusion Criteria must be filled in **sequentially**, following the flowchart.
- If a patient is excluded, all variables will be in blank from the point of exclusion in the flowchart.

**For example:** If communication=1 & consents=0 → resident=. & institutionalized=. & prev\_hosp=. & sym\_7d\_yn=. & all variables from that point will be in blank (\*)

(\*) The point after the sign '=' should be a blank on the Excel files



- The variable “sudden” (symptoms began suddenly or not) must be filled in for all resident and not institutionalized patients  $\geq 5$  years old who have given consent, if they don’t have been discharged from the hospital for the last 30 days.
- Barthel index should be introduced only for patients with 65 years old or more and values must be dividable into 5.
- Some variables must be filled in for all included patients (find them on next 2 slides).

## Variables for included patients under 5 years old

- doo
- height (in cm)
- weight (in kgs)
- birthweight (in gr)
- gestbirth\_wk\_yn
- gestbirth\_wk (if gestbirth\_wk\_yn=1)
- breastfed\_yn
- breastfed\_mon (if breastfed\_yn=1)
- soc\_class
- smoking\_hab
- chronic\_cvd
- chronic\_copd
- chronic\_asthma
- chronic\_diabetes
- chronic\_immuno
- chronic\_renal
- chronic\_rheumatologic\_dis
- chronic\_neuromuscular\_dis
- chronic\_cirrhosis
- chronic\_neoplasm
- chronic\_auto
- hosp\_12m
- consul\_3m
- polypnea
- av\_current
- av\_current\_days (if av\_current=1)
- previous\_lab
- contra\_flu
- flu\_vac\_2016\_17
- vac\_14d (if flu\_vac\_2016\_17=1)
- dov (if flu\_vac\_2016\_17=1)
- vac\_name (if flu\_vac\_2016\_17=1)
- flu\_vac\_2015\_16
- flu\_vac\_2014\_15
- swab\_np
- swab\_n
- swab\_date
- swab\_sent
- icu\_adm
- death\_hosp
- mech\_vent
- ecmo
- dod
- d\_diag1
- d\_diag2 (optional)
- d\_diag3 (optional)
- d\_icd
- dol
- lab\_h1n1
- lab\_h3n2
- lab\_yamagata
- lab\_victoria
- lab\_mix (\*)
- lab\_negative
- lab\_inadequate
- a\_nosub
- b\_nosub
- lab\_corona
- lab\_metaneumo
- lab\_rs
- lab\_adeno
- lab\_boca
- lab\_pi
- lab\_rhino

(\*) If lab\_mix=1, please also mark all viruses of the patient

## Variables for included patients with 5 years old or more

- doo
  - height (in cm)
  - weight (in kgs)
  - soc\_class
  - smoking\_hab
  - preg\_status
  - preg\_week (if preg\_status=1)
  - chronic\_cvd
  - chronic\_copd
  - chronic\_asthma
  - chronic\_diabetes
  - chronic\_immuno
  - chronic\_renal
  - chronic\_rheumatologi  
c\_dis
  - chronic\_neuromuscul  
ar\_dis
  - chronic\_cirrhosis
  - chronic\_neoplasm
  - chronic\_auto
  - hosp\_12m
  - consul\_3m
  - barthel (only patients  
65 years old or older)
  - av\_current
  - av\_current\_days (if  
av\_current=1)
  - previous\_lab
  - contra\_flu
  - flu\_vac\_2016\_17
  - vac\_14d (if  
flu\_vac\_2016\_17=1)
  - dov (if  
flu\_vac\_2016\_17=1)
  - vac\_name(if  
flu\_vac\_2016\_17=1)
  - flu\_vac\_2015\_16
  - flu\_vac\_2014\_15
  - swab\_np
  - swab\_p
  - swab\_n
  - swab\_date
  - swab\_sent
  - icu\_adm
  - death\_hosp
  - mech\_vent
  - ecmo
  - dod
  - d\_diag1
  - d\_diag2 (optional)
  - d\_diag3 (optional)
  - d\_icd
  - dol
  - lab\_h1n1
  - lab\_h3n2
  - lab\_yamagata
  - lab\_victoria
  - lab\_mix (\*)
  - lab\_negative
  - lab\_inadequate
  - a\_nosub
  - b\_nosub
  - lab\_corona
  - lab\_metaneumo
  - lab\_rs
  - lab\_adeno
  - lab\_boca
  - lab\_pi
  - lab\_rhino
- (\*) If lab\_mix=1, please also mark all viruses of the patient