

Note: << text >> gives information on technical details and conditions for automatic checks. It will not be visible for users

This form shall be filled at the initial documentation of a patient (**registration in the system**). General notice: A value **must** be entered/selected for every field. If the information is not known (or currently not reachable), select one of the "**unknown**" options. Otherwise, the form cannot be stored.

Baseline form / Patient

Field	Manual
Date of registration: [Date] → Documentation Date	< <this (based="" and="" automatically="" by="" clock)="" date="" displayed="" is="" on="" server="" stored="" system="" the="">></this>
Patient consent: signed not applicable (deceased)	Patients have to give their written consent before you enter data. For minors, parents or the legal guardian have to give their written consent. Indicate what kind of consent the patient has given. "Not applicable" can only be selected for patients who have died before initial registration. Please check with your local data protection laws whether you can report deceased patients without consent.
Supplement to data-protection information has been sent to the patient:	If for some reason a previous consent version has been signed, it has to be amended by a supplement, reflecting the GDPR. For newly registered patients only a current GDPR-compliant consent version must be used.
Date of birth [Year] [Month]	If patient < 12 years old: Enter year AND month If patient >= 12 years old: Enter ONLY the year This restriction is necessary because of data protection regulations. << The month will remain stored when the child turns 12 years old >>
Country of birth: [List of countries, unknown]	
Country of current residence: [List of countries, unknown	Select the country of current residence for this patient. This should be the country where the patient has his permanent residence, i.e. where he lives for the majority of the year. If the patient stays in the current country for a longer period, but only temporarily (e.g. for specialized medical treatment or seasonal work, select his country of origin.
Sex: ☐ female ☐ male ☐ unknown	
Death before initial registration: ☐ (check box)	In general, only living patients should be reported. However, you can report deceased patients if a) your centre or national registry has a specific policy or runs a specific study that makes this necessary b) if the patient died shortly before registration. < <if "death="" afterwards="" asked="" be="" centres="" deceased="" form"="" not="" open.="" patients="" report="" selected,="" the="" to="" update="" will="">></if>
Familial case: ☐ yes ☐ no ☐ unknown	Indicate if there is another patient with a diagnosed primary immunodeficiency in the genetic family (e.g. parents, siblings, grandparents). If there was no clear diagnosis of a PID, select "unknown".
If yes, index patient ESID ID: This is the index patient	< <only "familial="" "yes"="" case"="" if="" is="" visible="">> If available, enter the ESID patient ID of the first patient.</only>

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more than one index patient

diagnosed with this immunodeficiency in the respective



yes: identical ☐ yes: non-identical es, but heredity unknown ☐ unknown		selected>>		
Additional index patient ESID ID:		<only "more="" be<="" has="" if="" index="" one="" patient"="" th="" than="" visible=""><th>een</th></only>	een	
Index patient is the patient's: < <drop -="" -aunt,="" -mother,="" aunt,="" brother="" cousin,="" daughter,="" down:="" father="" grandfather="" grandson="" granduncle="" great-="" half-brother="" husband,="" mother,="" nephew,="" niece="" other,="" sister,="" son="" uncle="" unknown="" wife="">></drop>		< <only entered="" esid="" id="" if="" index="" is="" patient="" visible="">> Indicate the relationship of the current patient to the index patient. <<family "other"="" "uncle="" appears="" aunt"="" branch="" for="" from="" only="" options="" to="">> Indicate which side of the family the index patient belongs to (paternal = father's side, maternal = mother's side)</family></only>		
		case, select the checkbox "This is the index patient" Select "more than one index patient" e.g. if the patie	". ent	
	< <drop daughter,<br="" down:="" grandson="">son/daughter, niece/nephew, brother/sis half-brother/sister, cousin, wife/ husband father/mother, uncle/aunt, grandfather/- mother, granduncle/-aunt, great-</drop>	< <drop daughter,<br="" down:="" grandson="">son/daughter, niece/nephew, brother/sister, half-brother/sister, cousin, wife/ husband, father/mother, uncle/aunt, grandfather/- mother, granduncle/-aunt, great-</drop>	< <drop -aunt,="" aunt,="" brother="" cousin,="" daughter,="" down:="" father="" grandfather="" grandson="" granduncle="" great-<="" half-brother="" husband,="" mother,="" nephew,="" niece="" p="" sister,="" son="" uncle="" wife=""> Indicate the relationship of the current patient to the index patient. <<family "other"="" "uncle="" appears="" aunt"="" branch="" for="" from="" only="" options="" to="">> Indicate which side of the family the index patient belongs to (naternal – father's side maternal – mother)</family></drop>	

Twin: ☐ no ☐ yes: identical ☐ yes: non-identical ☐ yes, but heredity unknown ☐ unknown	
Consanguinity of parents: ☐ yes ☐ no ☐ unknown ☐ probable	Indicate whether the parents or other ancestors (e.g. grandparents) of the patient are genetically related.
Suspected founder effect: ☐ yes ☐ no ☐ unknown	<< Founder effect: If a population arises only from a small set of individuals, their genetic variability is limited and might inherit more commonly genetic defects if they were present in the 'founding' individuals. When ancestors of a patient come from the same small genetically isolated region a founder effect can be suspected.>>

The ESID Registry			
P Select patient	min ×		
Create Patient			
Patient Consent	● Signed ● Not applicable (deceased)		
Supplement to data-protection information has been sent to patient	● No ● Yes ● Currently unk. ● Truly unk. Send date:		
Date of birth	Year: Month:		
Country of Birth	☐ Currently unk. ■ Truly unk.		
Country of current residence 📳 📧	☐ Currently unk. ■ Truly unk.		
Sex	■ Female ■ Male ■ Currently unk. ■ Truly unk.		
Death before initial registration			
Familial Case	No □ Yes □ Currently unk. □ Truly unk.		
Twin	● No		
Consanguinity of parents	● No ● Yes ● Probable ● Currently unk. ● Truly unk.		
Suspected founder effect	No □ Yes □ Currently unk. □ Truly unk.		
Documenting Centre	v		
Create Reset			

Fig 1. Initial registration of a patient, User interface, centre is automatically selected/set for standard user

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Consent version: : [List of consent versions applicable for the given centre]	Available versions for a given centre are selected in the backend via the admins, if consent is renewed a list will build up with all previous consents.
Research option: yes no	As selected in the patient consent form
Pharma option: ☐ yes ☐ no	As selected in the patient consent form
Non-EU option: ☐ yes ☐ no	As selected in the patient consent form
Date of signature: [Date]	Enter the date of the patient's signature. {calendar function implemented}

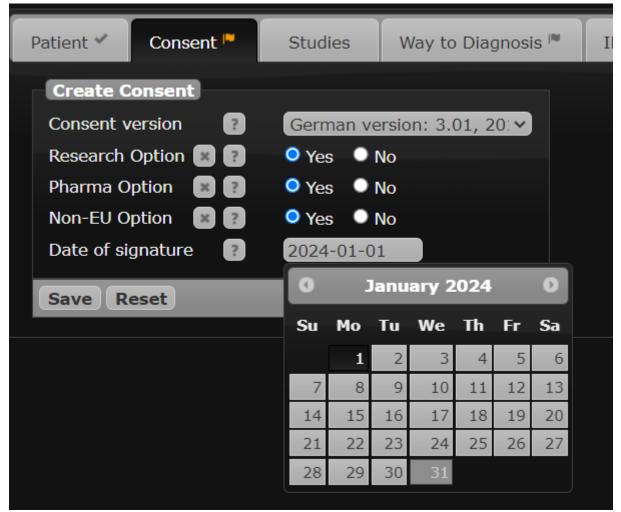


Fig 2: Documentation of (new) consents



Fig 3: Representation of (list) of consents

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Way to diagnosis

Date of first clinical diagnosis of PID [Year] [Month] [Day] ☐ date unknown ☐ only genetically diagnosed	< <cannot be="" birth="" date="" of="" previous="" to="">> Enter the date when this patient was first diagnosed with a primary immunodeficiency based on clinical features and laboratory values. If month and/or day are unknown, leave them open. If the date is completely unknown, select "date unknown". If the patient has been given a genetic diagnosis before developing any clinical symptoms, select "only genetically diagnosed".</cannot>
First PID-related symptom(s): <one of="" or="" several="">> Infection Immune dysregulation Malignancy Syndromal manifestations other (indicate): <or></or></one>	Indicate the first clinical symptoms suggestive of a PID in this patient (which is not necessarily the symptom leading to diagnosis). Select one or several. If the type of symptoms is unknown, select "First symptoms unknown". If there were no PID-related symptoms at all, select "no PID-related symptoms". Enter the information based on the physician's judgement (as noted in the patient chart) and not based on the patient's opinion. Definitions Immune dysregulation: lymphoproliferation (splenomegaly, hepatomegaly, lymphadenopathy), granuloma, autoimmunity (e.g. cytopenia, thyroid disease, joint disease, hepatitis, vitiligo, alopecia, diabetes), inflammatory bowel disease, celiac disease, vasculitis, eczema, autoinflammatory disease Syndromal: Dysmorphic features such as short stature, facial abnormalities, microcephaly, skeletal abnormalities, other organ manifestations such as albinism, hair or tooth abnormalities, primary neurodevelopmental delay, seizures

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Onset of symptoms [Year] [Month] or approximate age in years: [list with <1, 1-5, 6-10, 11-15, 16-20, 21-25, 26-30 etc.(in steps of 5)] unknown	< <will "absence="" "no="" "yes"="" and="" be="" been="" can="" cannot="" clinical="" diagnosis.="" exception:="" field="" form="" genetic="" has="" if="" in="" is="" later="" next="" not="" of="" one="" only="" selected="" selected.="" stored="" symptoms"="" than="" the="" these,="" visible="">> Enter the year and month when the first symptoms suggestive of a PID (see above) appeared in this patient. If the month is unknown, leave it open. If you only know the date approximately, select an entry from the list. Enter the date based on the physician's judgement (as noted in the patient chart) and not based on the patient's opinion. If only the frequency of infections raises the suspicion of a primary immunodeficiency, select the date when the suspicion came up, analogous to what is outlined in the chapter above related to first symptom. E.g. if only the third otitis media within a year raised the suspicion, please document the date of that third otitis. <<only< p=""></only<></will>
Was the patient diagnosed in the absence of PID-related symptoms on the basis of lab abnormalities?	Examples for this are: (1) The patient's blood was investigated due to non-PID related symptoms
☐ yes ☐ no ☐ unknown	 (2) The patient's blood was screened due to familial cases of PID <will "no="" be="" been="" clinical="" date="" diagnosis="" has="" if="" is="" li="" of="" only="" onset="" or="" prior="" selected="" symptoms"="" symptoms.<="" to="" visible=""> Symptoms and date of onset can also be entered in the </will>
If yes, which of the following? Lymphopenia Neutropenia Thrombocytopenia Anaemia Monocytopenia Elevated IgE Hypogammaglobulinaemia Other, specify:	latter case.>> < <will "yes"="" be="" been="" has="" if="" marked="" only="" previous="" question="" the="" visible="">> Select one or several. If there was another kind of lab abnormality leading to the diagnosis of PID not given here, select "other". Definition for hypogammaglobulinemia: values for IgA, G or M below age-related normal range.</will>

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PID Diagnosis

Current PID Diagnosis	< <users a="" and="" at="" available="" be="" by="" can="" diagnosis="" documentation="" either="" entering="" entry="" for="" genes.="" is="" later="" new="" only="" or="" permanently="" pid="" replaced="" search="" select="" stored="" string="" the="" timepoint.="">> Select the most recent PID diagnosis for this patient (corresponding to the most recent visit date or date of last news). If you cannot find the appropriate disease, or if a disease is missing, send an email to esid.registry@kenes.com.</users>
Affected gene: [List of genes] < <or></or>	< <relevant "no="" "not="" "unknown"="" (where="" a="" according="" addition,="" and="" appear="" appropriate).="" as="" diagnosis;="" found"="" genes="" genetically="" in="" is="" list="" mutation="" no="" note="" option!="" selected="" tested"="" that="" the="" there="" to="">> Select the gene in which disease-causing mutation(s) have been found in this patient. If you have sequenced one or more of the known genes but have found no mutation, select "no mutation found". If no molecular analysis has been performed at all, select "not genetically tested". If a gene is missing, send an email to esid.registry@kenes.com.</relevant>
Additional genes:	If more than one PID-causing gene mutation has been found in this patient, or if other gene mutations have been found, you can enter these here.
Date of genetic diagnosis: [Year] [Month] [Day] ☐ Date unknown	< <will "prenatal="" 9="" affected="" an="" be="" been="" birth="" birth.="" can="" cannot="" date="" diagnosis"="" exception:="" field="" form="" gene="" has="" if="" in="" is="" less="" months,="" next="" of="" only="" previous="" selected.="" stored="" than="" the="" to="" visible="">> If applicable, enter the date when the genetic diagnosis was confirmed (date of molecular analysis). If month and/or day are unknown, leave them open. If the date is completely unknown, select "Date unknown"</will>
Sequencing method: Gene sequencing Whole exome/genome sequencing Non-genetic definitive test Unknown	< <will affected="" an="" be="" been="" gene="" has="" if="" only="" selected="" visible="">> Select the sequencing method applied. If the molecular analysis was performed as a candidate gene testing (using the "traditional" method of Sanger sequencing), select "Gene sequencing". If the whole genome or exome was sequenced, select that option. If a non-genetic test like 22q11 FISH for DiGeorge syndrome was used, select 'Non-genetic definitive test'.</will>
Lab that performed the genetic analysis: < <drop down="" list="">></drop>	< <only "no="" a="" found"="" gene="" has<br="" if="" mutation="" or="" visible="">been selected >> If the lab that performed the analysis is not in the list, send an email to esid.registry@kenes</only>
Reason for genetic analysis: Analysis following clinical diagnosis Family screening Prenatal diagnosis Diagnosis by neonatal screening	< <will affected="" an="" be="" been="" can="" gene="" has="" if="" one="" only="" selected.="" visible="">> Select the reason for the molecular analysis in this patient.</will>

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Stem cell / gene therapy

Has one of the following ever been	
performed in this patient? Haematopoietic stem cell transplantation (HSCT): ☐ Yes ☐ No ☐ Unknown	Indicate whether haematopoietic stem cell transplantation (HSCT) has ever been performed in this patient.
If yes, SCETIDE ID: EBMT ID:	If the patient has been reported to SCETIDE, provide the ID number. SCETIDE is the registry for Stem Cell Transplants for primary Immune Deficiencies in Europe, in collaboration with ESID. Contact info.scetide@nck.aphp.fr for more information. If the patient has been reported to the EBMT Registry, provide the ID number.
If yes, enter for each transplantation:	< <several entries="" possible="">></several>
Date of transplantation [Year] [Month] [Day] ☐ Date unknown	< <cannot be="" birth.="" date="" of="" previous="" the="" to="">></cannot>
Type of donor ☐ MSD (Matched sibling donor) ☐ MUD (Matched unrelated donor) ☐ MMUD (Mismatched unrelated donor) ☐ Haplo-identical (parent) donor ☐ Autologous ☐ Other related donor ☐ Unknown	Indicate the type of stem cell donor.
Source of CD34 stem cells < <one of="" or="" several="">> □ bone marrow □ peripheral blood □ cord blood □ unknown</one>	Indicate the source of the stem cells used in this HSCT.
Gene therapy ☐ Yes ☐ No ☐ Unknown	Indicate whether gene therapy has ever been performed in this patient.
If yes, enter for each gene therapy:	< <several entries="" possible="">></several>
Date of gene therapy [Year] [Month] [Day]	< <cannot be="" birth.="" date="" of="" previous="" the="" to="">> Enter the date when the gene therapy was initiated.</cannot>

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Immunoglobulin (lg) replacement

	T
Does the patient currently receive Ig- replacement?	
Yes No unknown	
Date of first application	Connot be previous to the date of hirth.
[Year] [Month] [Day] Date unknown	<< Cannot be previous to the date of birth>> Give the date when Ig replacement was first applied in this patient. If month and/or day are unknown, leave them open. If the date is completely unknown, select "Date unknown".
Current brand name [List of brand names]	Which brand of immunoglobulins does the patient
	currently use?
Current route of administration	- Doute is outematically calcuted by the avetem if a
intravenous	< <route a<="" automatically="" by="" if="" is="" selected="" system="" td="" the=""></route>
subcutaneous	respective brand name is selected>>
intramuscular	
Current place of administration	Select the place of administration of Ig replacement. If
home	the infusion is given in a hospital, indicate whether this
hospital	
hospital: inpatient	is done during an inpatient or outpatient stay. If this is not known, choose the option "hospital".
hospital: outpatient	not known, choose the option hospital.
both (home&hospital)	
unknown	
Current dose	Indicate the current does and frequency of Ia
[integer] mg/kg body weight	Indicate the current dose and frequency of Ig replacement in this patient. Enter the relative dose (per
or	kg body weight) or the absolute dose, or both, if
[decimal] g ml	available.
dose unknown	Enter the actual interval , e.g. if the patient applies 10
	ml of SClg every second day, enter "10 ml every 2
Interval for this dose	days", and NOT "35 ml every week".
Every [integer] week(s) day(s)	In the case of alternating doses (e.g. "10 ml one week
<or> <<0r> <<0r></or>	and 20 ml the next week"), calculate the mean value
[integer] times per week month year	(e.g. "15 ml every week").
interval unknown	
Patient's current weight	<< If brand name, weight, and absolute dose are
[integer] kg unknown	entered, the system will calculate and store the mg/kg
	dose. If the mg/kg is entered manually in addition and
	differs from the calculated value, the system asks the
	user which value should be used.>>
Current side effects	Indicate whether the administration of the current Ig
Yes No unknown	
	replacement has ever caused or is still causing side effects.
House time of side officers	
If yes, type of side effects	< <only "side="" answered="" been="" effects"="" has="" if="" p="" visible="" with<=""></only>
<one or="" possible="" several="">></one>	"yes">>
anaphylaxis fever	
headache local side effects	
renal failure aseptic meningitis	
venous thrombosis arterial thrombosis Other, specify:	
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