

Box 1: The unit costs of analyzed items [26-35]

<i>Items</i>	<i>Unit costs (€)</i>	<i>Reimbursement basis of the FHI (general cases)</i>	<i>Unit cost paid by the FHI (€)</i>	<i>Reference source</i>	<i>Comments</i>
Initial consultation					
by GP					
<2 yo	28.00	70%	19.60	<i>Assurance Maladie – NGAP [26]</i>	Considering the family doctor of the patient attending at his office [sector 1]
2-6 yo	26.00	70%	18.20		
6-18 yo	23.00	70%	16.10		
>18 yo	23.00	[23.00€ * 70%= 16.10€ – 1.00€]	15.10		
Initial consultation by PEDIATRICIAN					
<2 yo	31.00	70% and 100% [26.00€ * 70%+ 5.00€ * 100%]	23.20	<i>Assurance Maladie [26]</i>	Considering a physician attending at his office [sector 1] Children under 2 yo have pediatric child fees of 5€ 100% reimbursed
2-6 yo	31.00	70%	21.70		
6-16 yo	28.00	70%	19.60		
Vaccine					
≥65 yo or risk morbidity	6.25	100%	6.25	<i>Vidal [30] Thériaque [31]</i>	Cost of the vaccine, but not the cost of administration (due to the complexity of measurement)
others	6.25	0%	0		
Follow-up consultation					
<2 yo	28.00	70%	19.60	<i>Assurance Maladie [26]</i>	Considering the family GP attending at sector 1 Patients over 18 yo have a fee of 1€
2-6 yo	26.00	70%	18.20		
6-18 yo	23.00	70%	16.10		
>18 yo	23.00	[23.00€ * 70%= 16.10€ – 1.00€]	15.10		
Telephone consultation					
	-	0	0.00	<i>Assurance Maladie [26]</i>	Phone consultations are not charged

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Home visit					
<2 yo	38.00	70%	26.60		visit [23€] + shifting [10€] + MNO [5€]
2-6 yo	36.00	70%	25.20	<i>Assurance Maladie</i> [26]	visit [23€] + shifting [10€] + MGE [3€]
6-18 yo	33.00	70%	23.10		visit [23€] + shifting [10€]
		70%			visit [23€] + shifting [10€] -
>18 yo	33.00	[33.00€ * 70% = 23.10€ - 1.00€]	22.10		1€ of consultation fees charged
Emergency services					
general costs					
	25.28	80%	20.22		Package for attending non expected patients at a medical institution without following hospitalization
<2 yo	28.00+	70%	39.82	<i>Ministère de la Santé</i> [27]	[ATU at MCOO]
consult + ER	25.28	80%			
2-6 yo	26.00+	70%	38.42		Considering usual consultations fees
consult + ER	25.28	80%			
6-18 yo	23.00+	70%	36.32		
consult + ER	25.28	80%			
>18 yo	23.00+	70% - 1.00€	35.32		
consult + ER	25.28	80%			
Hospitalization					
	2248.16	80% [independent of number of days]	1798.53	<i>Assurance Maladie</i> [28] <i>Ministère de la Santé</i> [29]	Package for treating respiratory signs and symptoms without other morbidities [GHS 1116, GHM 04M11V]

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Drugs	<i>Only reimbursed drugs were considered: reimbursement rate is applied for the cheapest ICD by age group</i>				
ANTIBIOTICS					
[example of amoxiciline]				<i>GROG [21] Vidal [30] Thériaque [31]</i>	-
<3 yo	1.60	65%	1.04		
3-6 yo	2.00	65%	1.30		
>6 yo	2.06	65%	1.34		
ANTIVIRALS					
[example of oseltamivir as curative treatment]				<i>GROG [21] Vidal [30] Thériaque [31]</i>	30% of reimbursement is considered for all patients
<12 yo	12.69	30%	3.81		
≥12 yo	24.85	30%	7.46		
OTHERS					
[example of paracetamol]				<i>GROG [21] Vidal [30] Thériaque [31]</i>	
<8 yo	1.93	65%	1.25		
≥8 yo	1.47	65%	0.96		
Additional tests					
Creatine	3.24				Code: CPK 1520 Subscription: 12B [12*0.27€]
Phosphokinase	+ 4.05	60%	4.37	<i>Assurance maladie [32] TNB</i>	One exam for each patient + blood taken 15B [4.05€]
Cysteine-Rich Protein	5.40 + 4.05	60%	5.67		Code: CRP 1804 Subscription: 20B [20*0.27€] One exam for each patient + Blood taken 15B [4.05€]

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Urine culture	18.90	60%	11.34		Code: ECBU 5201 Subscription: 70B [70*0.27€] One exam for each patient
Electrocardiogram	13.52 + 23.00	70%	25.56		Code: DEQP001 One exam for each patient + labor costs [23€]
Chest X Ray	25.92 + 23.00	70%	34.24	<i>Assurance maladie</i> [33]	Code: ZBQK002 One exam for each patient + labor costs [23€]
Cranial X Ray	23.94 + 23.00	70%	32.86	<i>CCAM</i>	Code: LAQK003 One exam for each patient + labor costs [23€]
Thorax Scanner [without contrast intravenous injection]	30.78 + 23.00	70%	37.65		Code: ZBQK001 One exam for each patient + labor costs [23€]
Paramedical care					
Respiratory physiotherapy and physiotherapist fees	103.20	60%	75.72	<i>Assurance Maladie</i> [26] <i>NGAP</i>	Code: AMK 8 <i>average package of 6 sections</i> <i>2.15€ x 8 € x 6 sections</i> One pack for each patient
Nutritionist	-	0	0.00	-	Consultation to nutritionist is not reimbursed
Osteopathy	-	0	0.00	-	Consultation to osteopath is not reimbursed
Work absenteeism					
	-	-	46.33	<i>Assurance Maladie</i> [34] INSEE [35]	Cost per day for patients in remunerated employment Since the 4th day of absence

Legend: ATU: Reception and treatment of emergencies; CCAM: Classification commune des actes médicaux; FHI: French Health Insurance; GHM: Groupes Homogènes de Malades; GHS: Groupes Homogènes de Séjour; GP: General

Practice[tioner]; GROG: Groupes Régionaux d'Observation de la Grippe; ICD: International Common Denomination; MCCO: activities of medicine, surgery, obstetrics and dentistry; MGE: supplement for children 2-6 years; MNO: supplement for children 0-2 years; NGAP: Nomenclature Générale des Actes Professionnels; sector 1: corresponds to the rate that is the basis for the reimbursement of health insurance; TNB: Table National de Biologie; yo: years old.