

Cost of non-alcoholic steatohepatitis in Europe and the USA: the GAIN study

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Table of contents

Steering Committee.....	2
Table S1.....	3
Table S2.....	3
Table S3.....	4
Table S4.....	5

Steering Committee

Member	Affiliation	Role
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Mrs Tatjana Reic	European Liver Patients Association (ELPA), Belgium	Representative
Professor Bengt Jönsson	Stockholm School of Economics, Sweden	Representative
Dr Anthony Hatswell	Delta Hat, University College London, UK	Representative

Table S1. GAIN study population: number of returned questionnaires from physicians and patients

Country	Case Record Forms (CRFs) (physicians) returned	Patient Public Involvement Engagement (PPIEs) returned (%)
France	508	130 (26)
Germany	540	132 (24)
Italy	540	219 (41)
Spain	522	169 (32)
UK	423	20 (5)
USA	1,221	97 (8)
All	3,754	767 (20)

Table S2. Sources of NASH costs by country

Country	Resources
France	Ameli.fr, sante.gouv.fr, ViDAL.fr
Germany	Kbv.de, Meinpharmaversand.de, Einheitlicher Bewertungsmaßstab, Rote-liste Service
Italy	trovanorme.salute.gov.it, Ordinary supplement n. 8 to the Official Journal, Tariffa Minima Degli Onorari per le Prestazioni Medico-Chirurgiche, starbene.it drug search
Spain	Oblikue e-salud, Agencia Española de Medicamentos y Productos Sanitarios, regional orders by the Ministry of Health

UK National Schedule of Reference Costs, the electronic Medicines Compendium, NICE British National Formulary

US Medicaid NADAC database (National Average Drug Acquisition Cost), Centre for Medicare and Medicaid Service (CMS), Physician Fee Schedule, American Medical Association

All countries	World Health Organisation, OECD statistics (www.data.oecd.org), grey literature, and reports
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Table S3. Mean annual direct NASH-related costs (SD)^a

Cost	NASH stage		Country						Overall
	Early	Advanced	Germany	Spain	France	UK	Italy	USA	
<i>n</i>	2,604	1,150	540	522	508	423	540	1,221	3,754
Direct cost	€2,224 (19,956)	€3,983 (23,788)	€1,917 (7,715)	€2,162 (10,220)	€1,357 (5,427)	€1,851 (2,406)	€1,732 (7,799)	€4,881 (42,077)	€2,763 (21,216)
Health related, <i>n</i>	2,604	1,150	540	522	508	423	540	1,221	3,754
Procedure/test	€265 (439)	€323 (575)	€183 (221)	€168 (180)	€124 (117)	€415 (668)	€220 (248)	€435 (726)	€283 (486)
NASH Tx	€989 (3,596)	€1,373 (4,438)	€655 (2,218)	€739 (3,047)	€502 (1,292)	€624 (1,550)	€431 (1,718)	€2,241 (6,743)	€1,106 (3,877)
Surgery	€653 (19,609)	€1,507 (22,420)	€848 (6,740)	€735 (8,197)	€228 (4,590)	€103 (1,141)	€573 (7,113)	€1,582 (34,825)	€915 (20,512)
Consultation	€259 (298)	€274 (348)	€89 (90)	€300 (312)	€203 (197)	€665 (487)	€275 (224)	€210 (291)	€264 (314)

Hospitali	€58	€507	€143	€219	€300	€56	€233	€201	€195
sation	(815)	(3,561)	(967)	(2,203)	(1,669)	(443)	(1,232)	(3420)	(2,094)

^aNASH, non-alcoholic steatohepatitis; SD, standard deviation.

Table S4. Mean annual non-NASH related direct costs (SD)^a

Cost	NASH stage		Country						Overall
	Early	Advance d	Germany	Spain	France	UK	Italy	USA	
Direct	€1,659	€2,743	€1,712	€1,161	€1,082	€2,027	€1,006	€2,957	€1,991
cost	(4,117)	(6,107)	(3,698)	(3,200)	(2,234)	(2,897)	(2,397)	(7,170)	(4,840)
Health	2,604	1,150	540	522	508	423	540	1,221	3,754
related, <i>n</i>									
Concomit	€1,307	€2,122	€1,515	€744	€677	€1,252	€526	€2,578	€1,557
ant Tx	(3,925)	(5,435)	(3,602)	(3,046)	(1,603)	(2,382)	(1,839)	(6,601)	(4,457)
Hospitalis	€86	€318	€98 (706)	€124	€206	€60	€195	€175	€157
ation	(761)	(2,474)		(674)	(1,241)	(400)	(1,310)	(2,268)	(1,512)
Consultati	€267	€303	€99 (135)	€293	€200	€715	€286	€204	€278
on	(376)	(444)		(342)	(256)	(685)	(274)	(267)	(399)

^aNASH, non-alcoholic steatohepatitis; SD, standard deviation; Tx, treatment.