

sanofi-aventis (suisse) s.a. -- Report 2021

Tag der Veröffentlichung: 30.06.2022

	Full Name (Art.1.01)	HCPs: City of Principal Practice HCOs: City where registered (Art. 3)	Country of Principal Practice (Schedule 1)	Principal Practice Address (Art. 3)	Unique country identifier (Art. 3)	Donations and Grants to HCOs (Art. 3.01.1.a)	Contribution to costs of Events (Art. 3.01.1.b & 3.01.2.a)			Fee for service and consultancy (Art. 3.01.1.c & 3.01.2.c)		TOTAL
							Sponsorship agreements with HCOs / third parties appointed by HCOs to manage an Event	Registration Fees	Travel & Accommodation	Fees	Related expenses agreed in the fee for service or consultancy contract, including travel & accommodation relevant to the contract	
<i>INDIVIDUAL NAMED DISCLOSURE - one line per HCP (i.e. all transfers of value during a year for an individual HCP will be summed up; itemization should be available for the individual Recipient or public authorities' consultation only, as appropriate)</i>												
	Amram Marie-Laure	1205 Genève	Switzerland	Rue Gabrielle-Perret-Gentil 4		N/A	N/A			700,00 CHF		700,00 CHF
	Ballmer-Weber Barbara	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			1.643,00 CHF	1.643,00 CHF	3.286,00 CHF
	Bilz Stefan	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			2.475,00 CHF		2.475,00 CHF
	Cozzio Antonio	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			2.214,00 CHF		2.214,00 CHF
	De Geest Sabina	4056 Basel	Switzerland	Bernoullistrasse 28		N/A	N/A			1.312,50 CHF		1.312,50 CHF
	Dummer Reinhard	8091 Zürich	Switzerland	Gloriastrasse 31		N/A	N/A			11.775,13 CHF		11.775,13 CHF
	Duyar Hüseyin	4410 Liestal	Switzerland	Kasernestrasse 32		N/A	N/A	474,50 CHF		600,00 CHF		1.074,50 CHF
	El-Hag Karim	8596 Münsterlingen	Switzerland	Spitalcampus 1		N/A	N/A			290,00 CHF		290,00 CHF
	Estade Miguel	1205 Genève	Switzerland	Rue Jean-Violette 3-5		N/A	N/A			600,00 CHF		600,00 CHF
	Fachinger Patrick	4310 Rheinfelden	Switzerland	Kaiserstrasse 8		N/A	N/A			630,00 CHF	375,00 CHF	1.005,00 CHF
	Ferrari Giovanni	6900 Lugano	Switzerland	Corso Pestalozzi 11		N/A	N/A			900,00 CHF		900,00 CHF
	Ferrario Chiara	1008 Prilly	Switzerland	Chemin du Centenaire 5		N/A	N/A			1.545,00 CHF		1.545,00 CHF
	Frauchiger Beat	8500 Frauenfeld	Switzerland	Pfaffenholzstrasse 4		N/A	N/A				2.975,00 CHF	2.975,00 CHF
	Gerber Bernhard	6500 Bellinzona	Switzerland	Via Ospedale		N/A	N/A			1.105,09 CHF		1.105,09 CHF
	Gerbitz Joachim	5200 Brugg AG	Switzerland	Bahnhofstrasse 25		N/A	N/A			330,00 CHF		330,00 CHF
	Gisler Dominique	3800 Interlaken	Switzerland	Mittengrabenstrasse 34		N/A	N/A			600,00 CHF		600,00 CHF
	Gobbi Claudio	6900 Lugano	Switzerland	Via Tesserete 46		N/A	N/A			4.950,00 CHF		4.950,00 CHF
	Goede Jeroen Simon	8400 Winterthur	Switzerland	Brauerstrasse 15		N/A	N/A			696,00 CHF		696,00 CHF
	Gröflin Urs Beat	4102 Binningen	Switzerland	Hauptstrasse 3		N/A	N/A			330,00 CHF		330,00 CHF
	Hatz Christoph	4051 Basel	Switzerland	Socinstrasse 57		N/A	N/A	516,87 CHF		1.350,00 CHF		1.866,87 CHF
	Häusermann Peter	4051 Basel	Switzerland	Blumenrain 20		N/A	N/A			1.000,00 CHF		1.000,00 CHF
	Hebel Philip	3400 Burgdorf	Switzerland	Bahnhofstrasse 8		N/A	N/A				313,00 CHF	313,00 CHF
	Heininger Ulrich	4056 Basel	Switzerland	Spitalstrasse 33		N/A	N/A			16.640,00 CHF	3.600,00 CHF	20.240,00 CHF
	Henny Christophe	1004 Lausanne	Switzerland	Avenue des Bergières 2		N/A	N/A			600,00 CHF		600,00 CHF
	Hintermann Max	4500 Solothurn	Switzerland	Zuchwilerstrasse 41		N/A	N/A	254,85 CHF				254,85 CHF
	Huberle Elisabeth	6300 Zug	Switzerland	Gartenstrasse 2		N/A	N/A			600,00 CHF	600,00 CHF	1.200,00 CHF
	Hundsberger Thomas	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			7.793,00 CHF		7.793,00 CHF
	Janeski Aleksandra	4123 Allschwil	Switzerland	Baslerstrasse 254		N/A	N/A			16.155,01 CHF		16.155,01 CHF
	Jung Hans	8091 Zürich	Switzerland	Frauenklinikstrasse 26		N/A	N/A			1.790,00 CHF		1.790,00 CHF
	Keserü Borbala	6006 Luzern	Switzerland	St. Anna-Strasse 32		N/A	N/A			646,20 CHF		646,20 CHF
	Klüber Corinna	4031 Basel	Switzerland	Petersgraben 4		N/A	N/A	236,65 CHF				236,65 CHF
	Korkmaz Kaya Gönül	4500 Solothurn	Switzerland	Dornacherplatz 15		N/A	N/A			660,00 CHF		660,00 CHF
	Körte Wolfgang	9001 St. Gallen	Switzerland	Frohbergstrasse 3		N/A	N/A			831,34 CHF		831,34 CHF
	Kremer Hovigna Johanna A.	3010 Bern	Switzerland	Freiburgstrasse 18		N/A	N/A			1.368,00 CHF		1.368,00 CHF
	Kuhn Felix	8915 Hausen am Albis	Switzerland	Luegislandstrasse 1		N/A	N/A			1.068,75 CHF		1.068,75 CHF
	Landis Theodor	1004 Lausanne	Switzerland	Avenue Jomini 8		N/A	N/A			600,00 CHF	600,00 CHF	1.200,00 CHF
	Misteli Max	4702 Oensingen	Switzerland	Bienkenstrasse 26		N/A	N/A	254,85 CHF				254,85 CHF
	Namdar Mehdi	1205 Genève	Switzerland	Rue Gabrielle-Perret-Gentil 4		N/A	N/A			15.833,45 CHF		15.833,45 CHF
	Neuffer-Bajetta Béatrice	6830 Chiasso	Switzerland	Piazza Indipendenza 4		N/A	N/A				313,00 CHF	313,00 CHF
	Nobel Monika	2300 La Chaux-de-Fonds	Switzerland	Avenue Léopold-Robert 7		N/A	N/A			870,00 CHF		870,00 CHF
	Nowak Albina	8008 Zürich	Switzerland	Lenggstrasse 31		N/A	N/A			9.857,52 CHF	9,56 CHF	9.867,08 CHF
	Panje Cedric Michael	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			435,00 CHF		435,00 CHF
	Peters Solange	1011 Lausanne	Switzerland	Rue du Bugnon 17		N/A	N/A			2.187,00 CHF		2.187,00 CHF
	Pohl Daniel	8091 Zürich	Switzerland	Rämistrasse 100		N/A	N/A			8.700,00 CHF		8.700,00 CHF
	Ramazina Carola	4600 Olten	Switzerland	Tanwaldstrasse 2		N/A	N/A	254,85 CHF				254,85 CHF

Renner Christoph	8008 Zürich	Switzerland	Witellikerstrasse 40		N/A	N/A			2,160,00 CHF	3,240,00 CHF	5,400,00 CHF
Rohrbach Marianne	8032 Zürich	Switzerland	Steinwiesstrasse 75		N/A	N/A			1,663,20 CHF		1,663,20 CHF
Rubbert-Rothi Andrea	9007 St. Gallen	Switzerland	Rorschacher Strasse 95		N/A	N/A			2,880,00 CHF		8,690,00 CHF
Rückforth-Beckh Sarah Juliane	3052 Zollikofen	Switzerland	Kirchlindachstrasse 2		N/A	N/A	254,85 CHF				254,85 CHF
Rudofsky Gottfried	4600 Olten	Switzerland	Baslerstrasse 150		N/A	N/A			1,895,00 CHF		1,895,00 CHF
Schiller-Brunns Peter	4410 Liestal	Switzerland	Mühlegasse 3		N/A	N/A			1,750,00 CHF		1,750,00 CHF
Schmid-Grendelmeier Peter	8091 Zürich	Switzerland	Gloriastrasse 31		N/A	N/A			6,432,00 CHF	2,660,00 CHF	9,092,00 CHF
Schöpfer Alain	1011 Lausanne	Switzerland	Rue Du Bugnon 44		N/A	N/A			821,00 CHF		821,00 CHF
Schultes Bernd	9016 St. Gallen	Switzerland	Lerchentalstrasse 21		N/A	N/A			2,146,55 CHF		2,146,55 CHF
Sudano Isabella	8091 Zürich	Switzerland	Ramistrasse 100		N/A	N/A			2,336,00 CHF		2,336,00 CHF
Voss Jan	6006 Luzern	Switzerland	Haldenstrasse 11		N/A	N/A			1,200,00 CHF		1,200,00 CHF
Zecca Chiara	6900 Lugano	Switzerland	Via Tesserete 46		N/A	N/A			4,745,00 CHF		4,745,00 CHF

OTHER, NOT INCLUDED ABOVE -where information cannot be disclosed on an individual basis for legal reasons

Aggregate amount attributable to transfers of value to such Recipients - Art. 3.02					N/A	N/A		0,00 CHF	0,00 CHF	0,00 CHF	0,00 CHF
Number of Recipients in aggregate disclosure - Art. 3.02					N/A	N/A		0	0	0	0
% of the number of Recipients included in the aggregate disclosure in the total number of Recipients disclosed - Art. 3.02					N/A	N/A		0,00%	0,00%	0,00%	0,00%

INDIVIDUAL NAMED DISCLOSURE - one line per HCO (i.e. all transfers of value during a year for an individual HCO will be summed up; itemization should be available for the individual Recipient or public authorities' consultation only, as appropriate)

Associazione Ticinese per i Diabetici	6514 Sementina	Switzerland	Via Al ticino 30					1,500,00 CHF			1,500,00 CHF
Associazione Pediatri Svizzera Italiana - APSI	6900 Lugano	Switzerland	via delle Scuole 17					1,000,00 CHF			1,000,00 CHF
Bethesda Spital AG	4052 Basel	Switzerland	Gellerstr. 144					2,500,00 CHF			2,500,00 CHF
Centre de Chimiothérapie Anti-Cancé - CCAC SA	1003 Lausanne	Switzerland	Langallerie 11					1,000,00 CHF			1,000,00 CHF
Centre hospitalier Univ. Vaudois	1011 Lausanne	Switzerland	Rue du Bugnon 21					25,105,70 CHF	47,871,60 CHF	1,932,35 CHF	74,909,65 CHF
Clinica Luganese SA	6903 Lugano	Switzerland	Via Moncucco 10					1,292,40 CHF		546,60 CHF	1,839,00 CHF
Reha Rheinfelden	4310 Rheinfelden	Switzerland	Salinenstrasse 98					1,000,00 CHF			1,000,00 CHF
Dermatologische Klinik - UniversitätsSpital Zürich	8091 Zürich	Switzerland	Gloriastr. 31						16,155,00 CHF		16,155,00 CHF
EOC Ente Ospedaliero Cantonale	6500 Bellinzona	Switzerland	Ospedale San Giovanni		50,000,00 CHF	60,169,40 CHF			17,516,40 CHF	144,107,40 CHF	271,793,20 CHF
European Respiratory Society	1003 Lausanne	Switzerland	Avenue Ste Luce 4					53,103,50 CHF			53,103,50 CHF
European Society for Dermatological Research	1205 Geneva	Switzerland	Rue Cingria 7					15,931,05 CHF			15,931,05 CHF
GSASA - Schweizerischer Verein der Amts- und Spitalapotheker	3006 Bern	Switzerland	Schoshaldenstrasse 32					11,130,00 CHF			11,130,00 CHF
GZO AG Spital Wetzikon	8620 Wetzikon	Switzerland	Spitalstrasse 68						290,00 CHF		290,00 CHF
Gesellschaft für Neurologie Regio BS - Unispital Basel	4031 Basel	Switzerland	Petersgraben 4					500,00 CHF			500,00 CHF
Groupement Vaudois des sp	1260 Nyon	Switzerland	Rue Jules Gachet 7					1,000,00 CHF			1,000,00 CHF
Hôpitaux Universitaires de Genève	1226 Thônex	Switzerland	Ch. du Petit-Bel-Air 2					20,232,00 CHF	6,938,50 CHF	2,807,75 CHF	29,978,25 CHF
Hôpital du Valais	1951 Sion	Switzerland	Av Grand-Champsec 80					3,231,00 CHF	1,973,00 CHF	2,361,25 CHF	7,565,25 CHF
Hardhof Apotheke	4052 Basel	Switzerland	Hardstrasse 103						1,421,60 CHF		1,421,60 CHF
HFR Fribourg - Hopital cantonal	1708 Fribourg	Switzerland	Chemin des Pensionnats 2-6					2,000,00 CHF	1,300,00 CHF		3,300,00 CHF
HerzGefassStiftung	8002 Zürich	Switzerland	Seestr. 220					3,000,00 CHF			3,000,00 CHF
Hirslanden Klinik Linde	2501 Biel	Switzerland	Blumenrain 105					2,692,50 CHF			2,692,50 CHF
Hôpital Fribourgeois	1708 Fribourg	Switzerland	Case postale					1,500,00 CHF			1,500,00 CHF
Hopital du Pays d'Enhaut	1660 Château d'Oex	Switzerland	Route de l'Hôpital 17						450,00 CHF		450,00 CHF
INSEL GRUPPE AG	3010 Bern	Switzerland	Freiburgerstr. 18			88,678,34 CHF			597,000,25 CHF	10,755,85 CHF	696,434,44 CHF
INSELSPIITAL BERN - Department of Diabetology Endocrinolo	3010 Bern	Switzerland	Freiburgerstr. 18						600,00 CHF		600,00 CHF
Istituto Oncologico della Svizzera - Italiana	6500 Bellinzona	Switzerland	Ospedale San Giovanni						700,00 CHF		700,00 CHF
KEP - Kompetenzzentrum für Ernährungspsychologie	8047 Zürich	Switzerland	Rautstrasse 12					1,000,00 CHF			1,000,00 CHF
Kantonsspital Winterthur	8401 Winterthur	Switzerland	Brauerstr. 15					3,231,00 CHF			3,231,00 CHF
Kantonsspital Aarau AG	5001 Aarau	Switzerland	Tellstr. 25			37,800,20 CHF			5,987,20 CHF		43,787,40 CHF
Kantonsspital Baden	5404 Baden	Switzerland	Im Ergel 1			3,446,40 CHF					3,446,40 CHF
Kantonsspital Baselland - KSNL	4410 Liestal	Switzerland	Mühlemattstrasse 26			25,000,00 CHF					25,000,00 CHF
Kantonsspital Baselland Bruderholz	4101 Liestal	Switzerland	Mühlemattstr. 13						969,30 CHF		969,30 CHF
Kantonsspital Graubünden	7000 Chur	Switzerland	Loestrasse 170			13,276,15 CHF			6,318,25 CHF	1,595,60 CHF	21,190,00 CHF
Kantonsspital Graubünden - Departement Innere Medizin	7000 Chur	Switzerland	Loestrasse 170			290,00 CHF					290,00 CHF
Kantonsspital Nidwalden	6370 Stans	Switzerland	Ennetmooserstr. 19						1,124,40 CHF		1,124,40 CHF
Kantonsspital St. Gallen	9007 St. Gallen	Switzerland	Rorschacher Str. 95			36,932,80 CHF			7,585,85 CHF	1,572,40 CHF	46,091,05 CHF
Kinder mit Seltenen Krankheiten - Gemeinnütziger Förderverein (KMSK)	8610 Uster	Switzerland	Ackerstr. 43			32,500,00 CHF					32,500,00 CHF
Kinderspital Zürich	8032 Zürich	Switzerland	Steinwiesstr. 75			1,077,00 CHF			5,564,00 CHF		6,641,00 CHF
Klinik Hirslanden	8032 Zürich	Switzerland	Witellikerstr. 40						2,008,00 CHF		2,008,00 CHF
Lindenapotheke AG	5035 Unterentfelden	Switzerland	Schinhuettweg 5						1,077,00 CHF		1,077,00 CHF
Lungenliga Schweiz - Ligue Pulmonaire Suisse	3007 Bern	Switzerland	Chutzenstr. 10			2,500,00 CHF					2,500,00 CHF
Luzerner Kantonsspital	6000 Luzern	Switzerland	Spitalstrasse			2,538,50 CHF			2,242,50 CHF	2,648,10 CHF	7,429,10 CHF

HCOs	MIAC AG	4051 Basel	Switzerland	Marktgasse 8						5,438,00 CHF		5,438,00 CHF
	Miescher Pharma GmbH	8004 Zürich	Switzerland	Kanzleistrasse 231					8,030,00 CHF			8,030,00 CHF
	Mundipharma Medical Company - Hamilton	4020 Bâle	Switzerland	St. Alban-Rheinweg 74			1,077,00 CHF					1,077,00 CHF
	NPSuisse - Schweizerische Niemann Pick Vereinigung	6314 Unterägeri	Switzerland	Waldhofstrasse 25			1,000,00 CHF					1,000,00 CHF
	Neurologie am Löwenplatz	6001 Luzern	Switzerland	Zürichstrasse 5						646,20 CHF		646,20 CHF
	Neurozentrum Oberaargau	4900 Langenthal	Switzerland	St. Urbanstr. 22			7,000,50 CHF					7,000,50 CHF
	Neurozentrum Bellevue - Neurologie FMH	8001 Zürich	Switzerland	Theaterstr. 8			5,000,00 CHF					5,000,00 CHF
	Pediatric Emergency Medicine - of Switzerland (PEMS)	8032 Zürich	Switzerland	Steinwiesstr. 75						3,006,03 CHF		3,006,03 CHF
	Pharmacie-Droguerie - Parfum. du Levant S.A	1630 Bulle	Switzerland	Rte de Riaz 6			300,00 CHF					300,00 CHF
	Puls - Apotheke & drogerie	8340 Hinwil	Switzerland	Wasserstrasse 38						538,50 CHF		538,50 CHF
	Réseau Hospitalier Neuchâtelois	2046 Fontaines	Switzerland	Route de Landeyeux 3			1,200,00 CHF					1,200,00 CHF
	SCQM FOUNDATION	8048 Zürich	Switzerland	Aargauerstr. 250			51,049,80 CHF					51,049,80 CHF
	SGAIM - Schweiz. Gesellschaft für Allgemeine Innere Medizin	3001 Bern	Switzerland	Monbijoustrasse 43			603,11 CHF					603,11 CHF
	SGNM	3073 Gümlingen	Switzerland	Moosstr. 2			3,000,00 CHF					3,000,00 CHF
	SPS Swiss Pain Society	8048 Zürich	Switzerland	Aargauerstrasse 250			6,000,00 CHF					6,000,00 CHF
	SWAPP Swiss Association of Pharmaceutical Professionals	4051 Basel	Switzerland	Blumenrain 23			1,077,00 CHF					1,077,00 CHF
	Schweiz Gesellschaft für Endokrinol & Diabetologie	5400 Baden	Switzerland	Rütistr. 3a			484,65 CHF					484,65 CHF
	Schweizerische Gesellschaft der Vertrauens- und Versicherungsärzte	8404 Winterthur	Switzerland	Industriestrasse 24			16,542,71 CHF					16,542,71 CHF
	Schweizerische Gesellschaft für Allergologie und Immunologie	8808 Pfäffikon	Switzerland	Unterdorfstrasse 12			8,616,00 CHF					8,616,00 CHF
	Schweizerische Gesellschaft für Dermatologie und Venerologie	3005 Bern	Switzerland	Dalmazirain 11			84,586,50 CHF					84,586,50 CHF
	Schweizerische Gesellschaft für Nephrologie	1033 Cheseaux-sur-Lausanne	Switzerland	Rue des Paquis 1			28,268,00 CHF					28,268,00 CHF
	Schweizerische Gesellschaft für Neuropädiatrie	5036 Oberentfelden	Switzerland	Blumenweg 13			6,200,00 CHF					6,200,00 CHF
	Secrétariat du CAP OFAC	1260 Nyon	Switzerland	Rue Juste-Olivier 16			315,70 CHF					315,70 CHF
	Spital STS AG	3600 Thun	Switzerland	Krankenhausstr. 12			870,00 CHF					870,00 CHF
	Spital Thurgau AG	8500 Frauenfeld	Switzerland	Waldeggstr. 8						646,20 CHF		646,20 CHF
	Sternen Apotheke	9450 Altstätten	Switzerland	Marktgasse 1			853,00 CHF					853,00 CHF
	Stiftung für wissenschaftliche Forschung am Stadtspital Triemli	8063 Zürich	Switzerland	Birmensdorfstr. 497			500,00 CHF			750,00 CHF		1,250,00 CHF
	Swiss Foundation of Fabry Disease - c/o Fondation des Fondateurs	8001 Zürich	Switzerland	Kirchgasse 42			1,400,00 CHF					1,400,00 CHF
	Toppharm Apotheke & Drogerie - Sissach	4450 Sissach	Switzerland	Hauptstr. 17						1,120,00 CHF		1,120,00 CHF
	University Hospital Basel	4031 Basel	Switzerland	Petersgraben 4						3,698,00 CHF		3,698,00 CHF
	Universitätsspital Basel	4031 Basel	Switzerland	Hebelstrasse 36						4,066,00 CHF		4,066,00 CHF
	Union des sociétés suisses des maladies vasculaires	5001 Aarau	Switzerland	Bahnhofstrasse 55			450,00 CHF					450,00 CHF
	Universität Zürich - Klinik für Angiologie	8091 Zürich	Switzerland	Frauenklinikstr. 10			26,925,00 CHF			2,833,00 CHF	1,450,00 CHF	31,208,00 CHF
	Universitaetsspital Basel - Gynekologische Klinik	4031 Basel	Switzerland	Spitalstr. 21						50,00 CHF		50,00 CHF
	Klinik für Ohren-, Nasen-, Hals- und Gesichtschirurgie USZ Campus	8091 Zürich	Switzerland	Frauenklinikstr. 24						1,450,00 CHF		1,450,00 CHF
	Universität Zürich - Rheumaklinik	8091 Zürich	Switzerland	Gloriastr. 25			8,616,00 CHF					8,616,00 CHF
	Universität Zürich UZH - Institut für Sozial- und Präventivmedizin	8001 Zürich	Switzerland	Hirschengraben 84						2,351,55 CHF	145,00 CHF	2,496,55 CHF
Universitätsspital Zürich - Klinik für Kardiologie	8091 Zürich	Switzerland	Rämistrasse 100			41,482,20 CHF			723,74 CHF		42,205,94 CHF	
University of Geneva	1211 Geneva	Switzerland	24 rue du General-Dufour						456,00 CHF		456,00 CHF	
diabetesschweiz	5400 Baden	Switzerland	Rütistr. 3a			101,955,50 CHF					101,955,50 CHF	
OTHER, NOT INCLUDED ABOVE -where information cannot be disclosed on an individual basis for legal reasons												
Aggregate amount attributable to transfers of value to such Recipients - Art. 3.02					0,00 CHF	0,00 CHF	0,00 CHF	0,00 CHF	0,00 CHF	0,00 CHF		
Number of Recipients in aggregate disclosure - Art. 3.02					0	0	0	0	0	0		
% of the number of Recipients included in the aggregate disclosure in the total number of Recipients disclosed - Art. 3.02					0,00%	0,00%	0,00%	0,00%	0,00%	0,00%		N/A
R&D	AGGREGATE DISCLOSURE											
	Transfers of Value Research & Development as defined - Article 3.04 and Schedule 1											
											343,564,62 CHF	