

# HIV/HCV Coinfection in Spain: Prevalence and Patient Characteristics in 2017



# HIV/HCV coinfection in Spain: GeSIDA prevalence studies

	Centers	Reference Population
2002 <sup>1</sup>	39	31,800
2009 <sup>2</sup>	43	29,559
2015 <sup>3</sup>	41	35,791
2016 <sup>4</sup>	43	38,904
2017 <sup>5</sup>	43	40,322



1. González J, et al *Enferm Infecc Microbiol Clin* 2005; 23:340–8.
2. González J, et al. IV Congreso Nacional de GeSIDA; 2012.
3. Berenguer J, González J, et al. *Open Forum Infect Dis* 2016;3:ofw059
4. Berenguer J, González J, et al. *Open Forum Infect Dis* 2018;5:ofw258
5. Berenguer J, González J, et al. Personal Communication 2018

# Methods

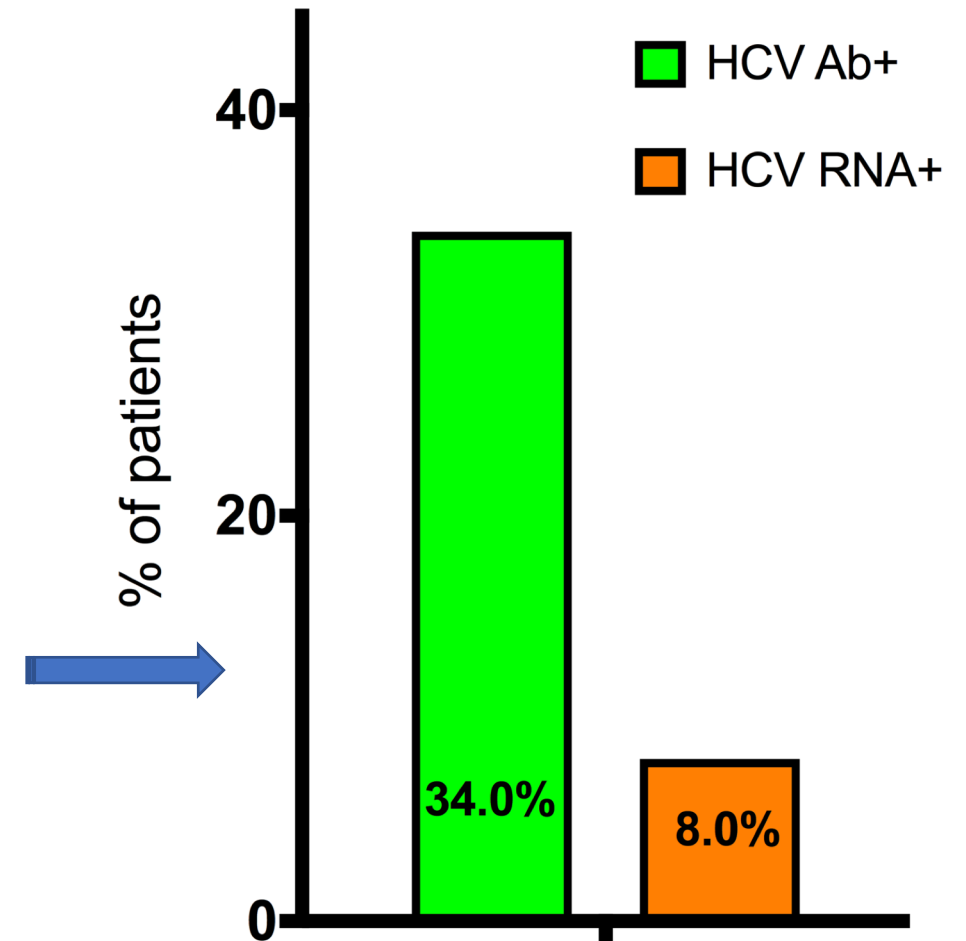
<b>Design</b>	<ul style="list-style-type: none"><li>• Nationwide cross-sectional study</li></ul>
<b>Study period</b>	<ul style="list-style-type: none"><li>• October-November 2017</li></ul>
<b>Reference population</b>	<ul style="list-style-type: none"><li>• All HIV+ patients in active follow-up in the participating centers*</li></ul>
<b>Sample size estimation</b>	<ul style="list-style-type: none"><li>• Confidence level 95% / Design effect 1.0 / Accuracy of 1.5%</li></ul>
<b>Patient selection</b>	<ul style="list-style-type: none"><li>• N<sup>o</sup> of patients from each hospital determined by proportional allocation / Patients were selected using simple random sampling</li></ul>
<b>Data capture</b>	<ul style="list-style-type: none"><li>• Online CRF</li></ul>

\*Active follow-up = at least 1 visit in the previous 12 months

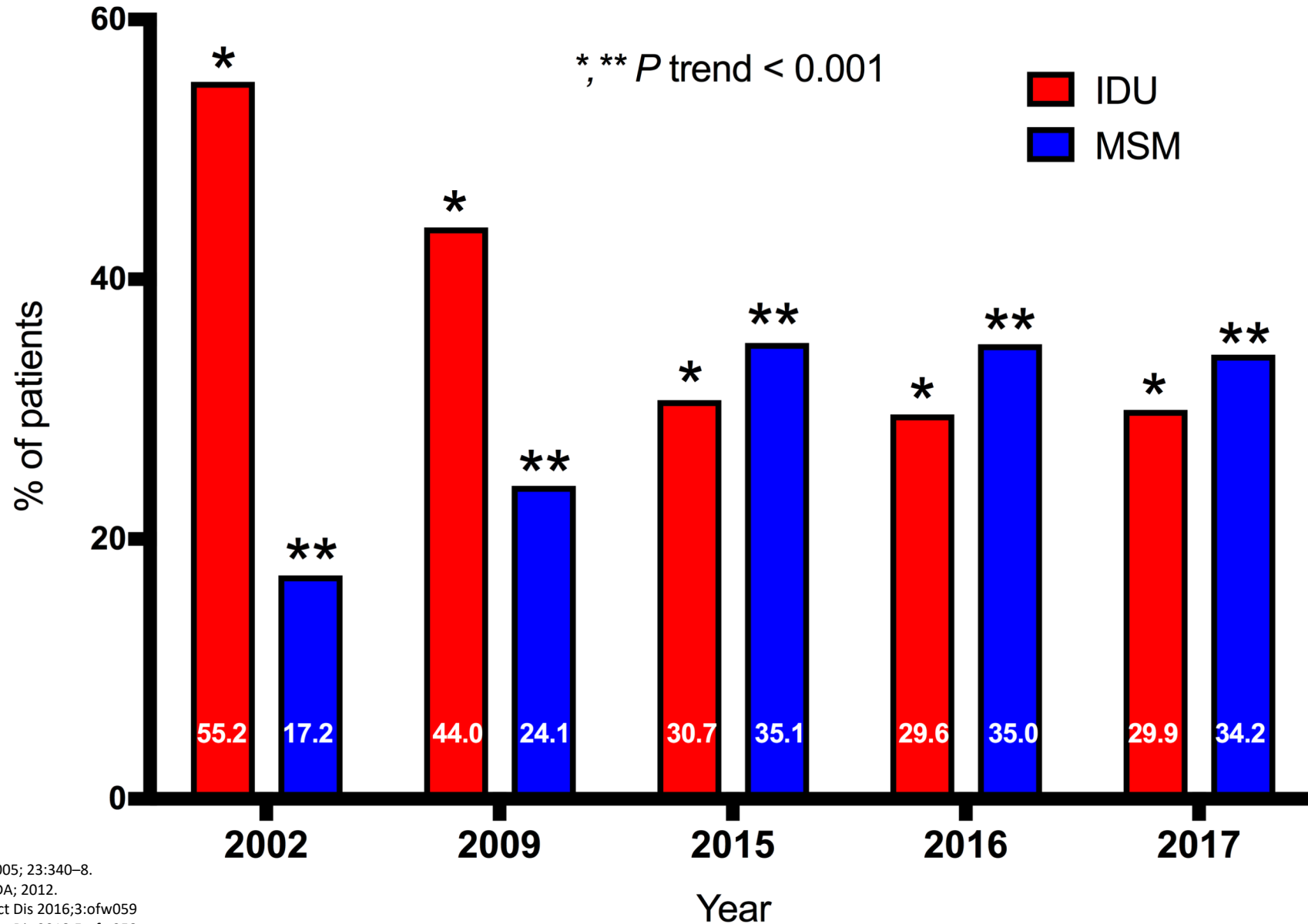
# Summary of findings

<b>Centers</b>	<ul style="list-style-type: none"><li>• 43 centers</li></ul>
<b>Reference population</b>	<ul style="list-style-type: none"><li>• 40,322 HIV+ patients</li></ul>
<b>Sample size</b>	<ul style="list-style-type: none"><li>• 1,690 HIV+ patients</li></ul>
<b>HCV serology</b>	<ul style="list-style-type: none"><li>• Known in 1,675 (99.1%) patients</li><li>• 569 of whom were HCV Ab+<ul style="list-style-type: none"><li>• 344 were HCV-RNA<sup>(-)</sup> following SVR</li><li>• 134 patients were HCV-RNA<sup>(+)</sup></li><li>• 91 cleared HCV-RNA spontaneously</li></ul></li></ul>

## Prevalence of HCV infection

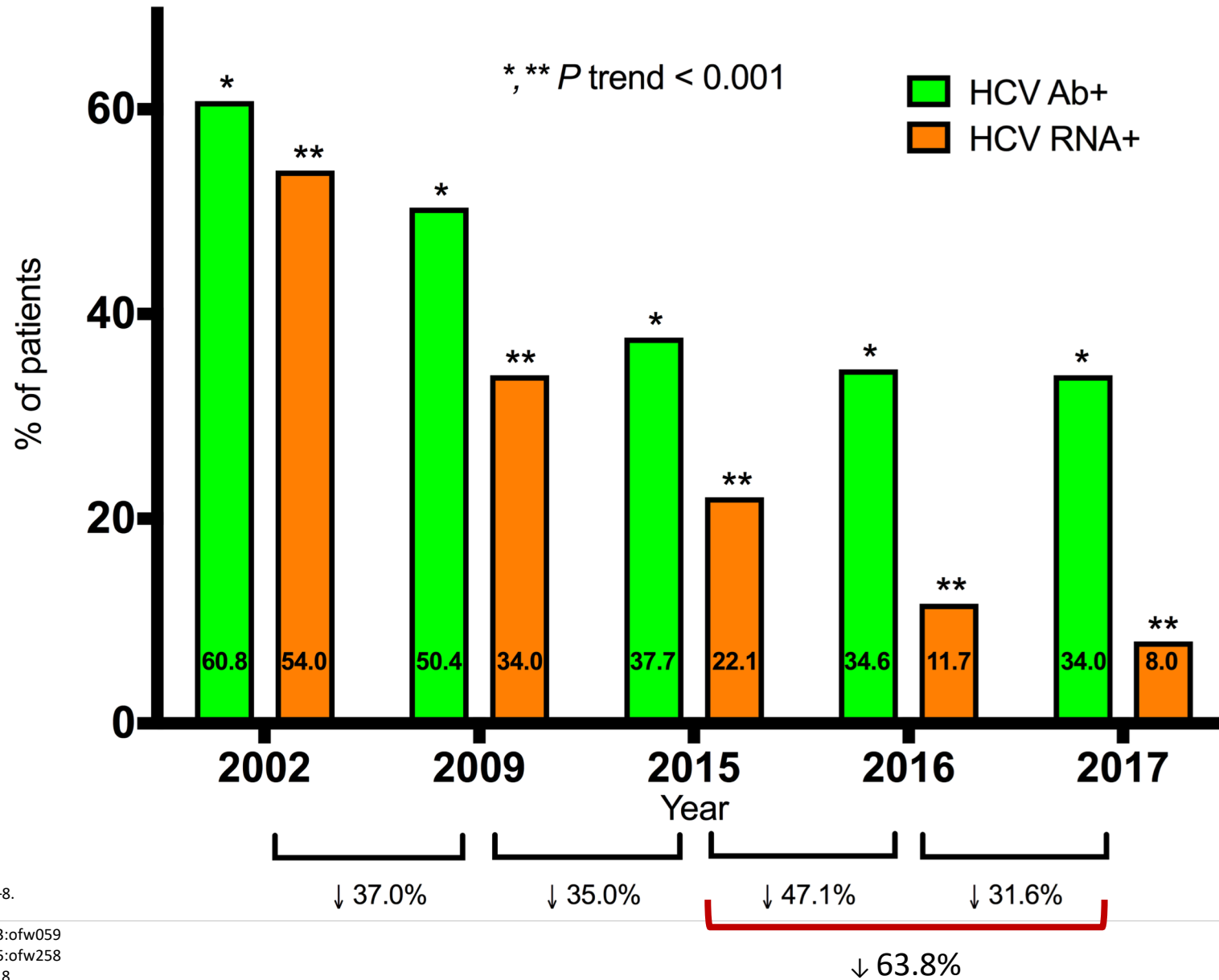


# Mechanisms of HIV transmission



1. González J, et al. *Enferm Infecc Microbiol Clin* 2005; 23:340–8.
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# Prevalence of HCV infection



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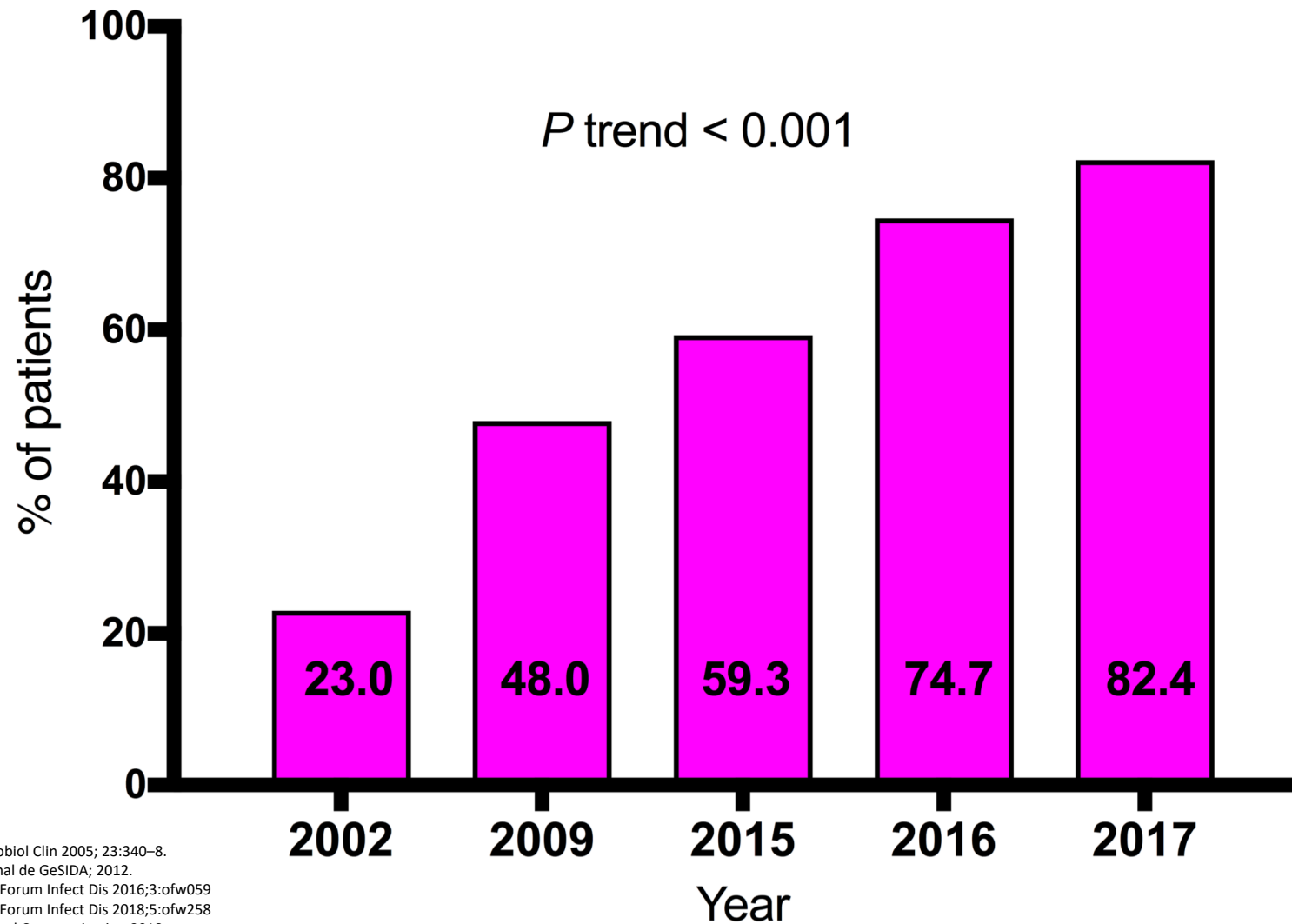
## Anti-HCV exposure in patients with active HCV infection (HCV RNA positives)

Anti-HCV therapy, n (%)	N = 134
Never	84 (65.1)
Ongoing*	36 (22.0)
In the past	24 (18.3)
Null or partial response	18
Relapse	0
D/C due to adverse events	4
Sustained viral response	2

\*All 36 patients in this category were receiving all oral DAA therapy during the study. **Assuming an SVR rate of 95%, the prevalence of active HCV infection could be 5.6%**

# Anti-HCV treatment uptake

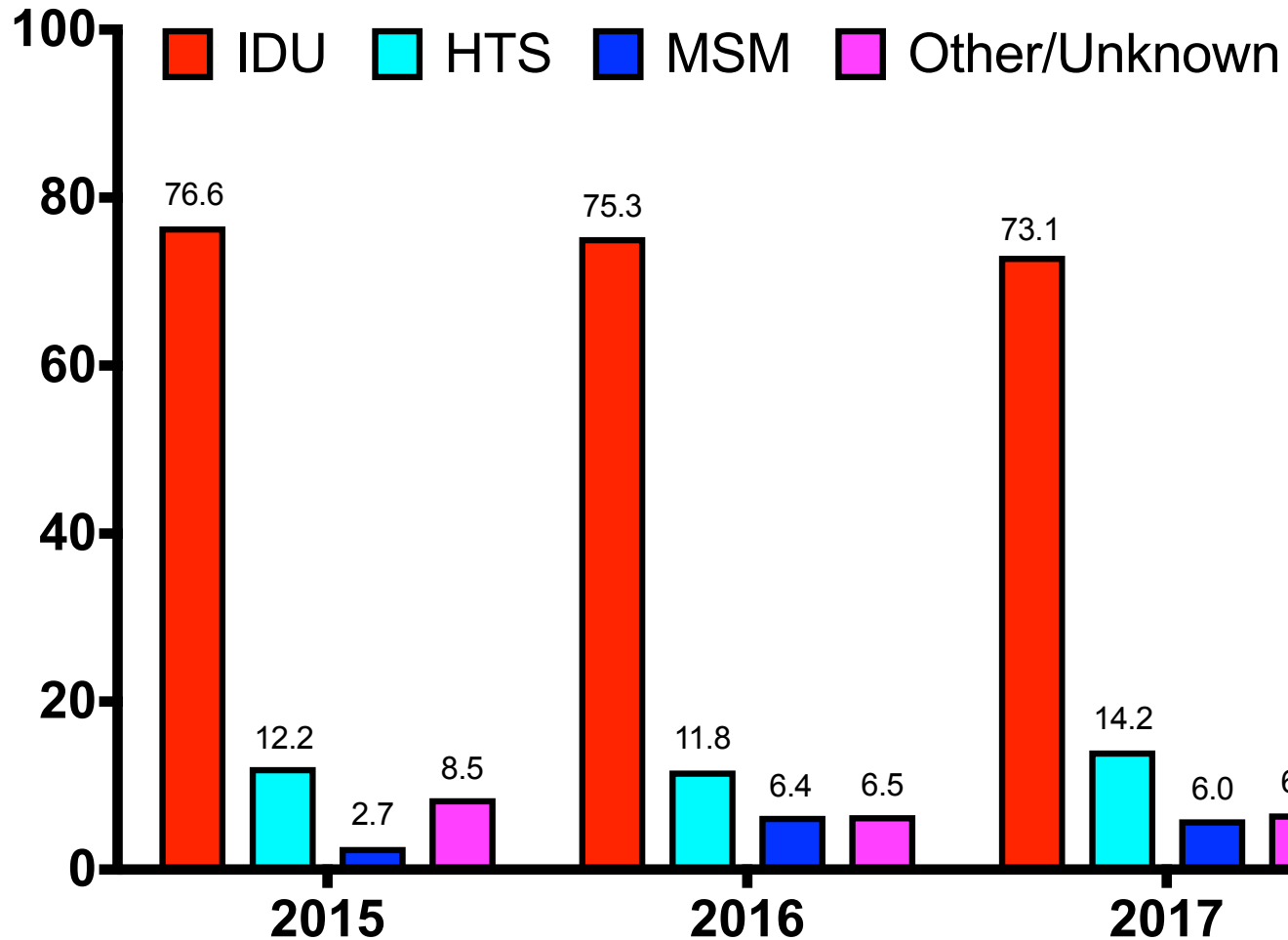
Percentage of patients with current or past chronic HCV infection exposed to anti-HCV therapy



1. González J, et al. *Enferm Infecc Microbiol Clin* 2005; 23:340–8.
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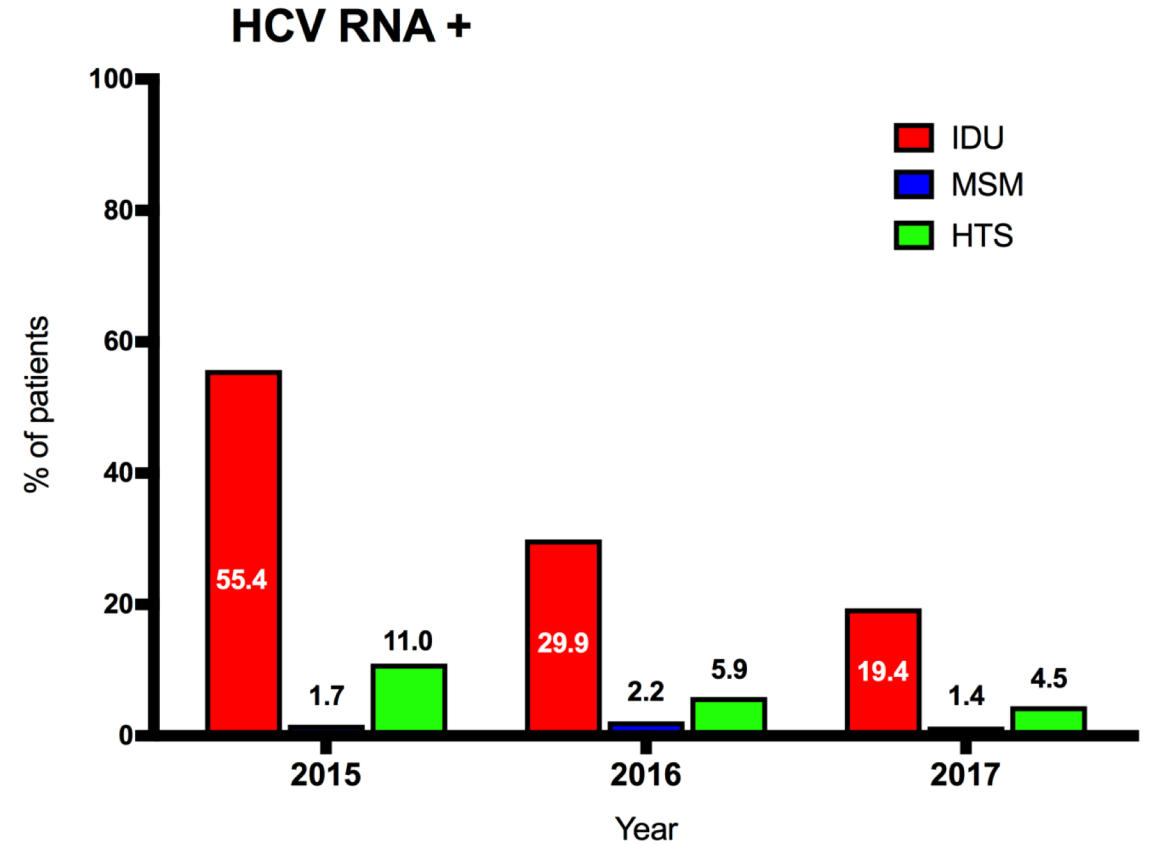
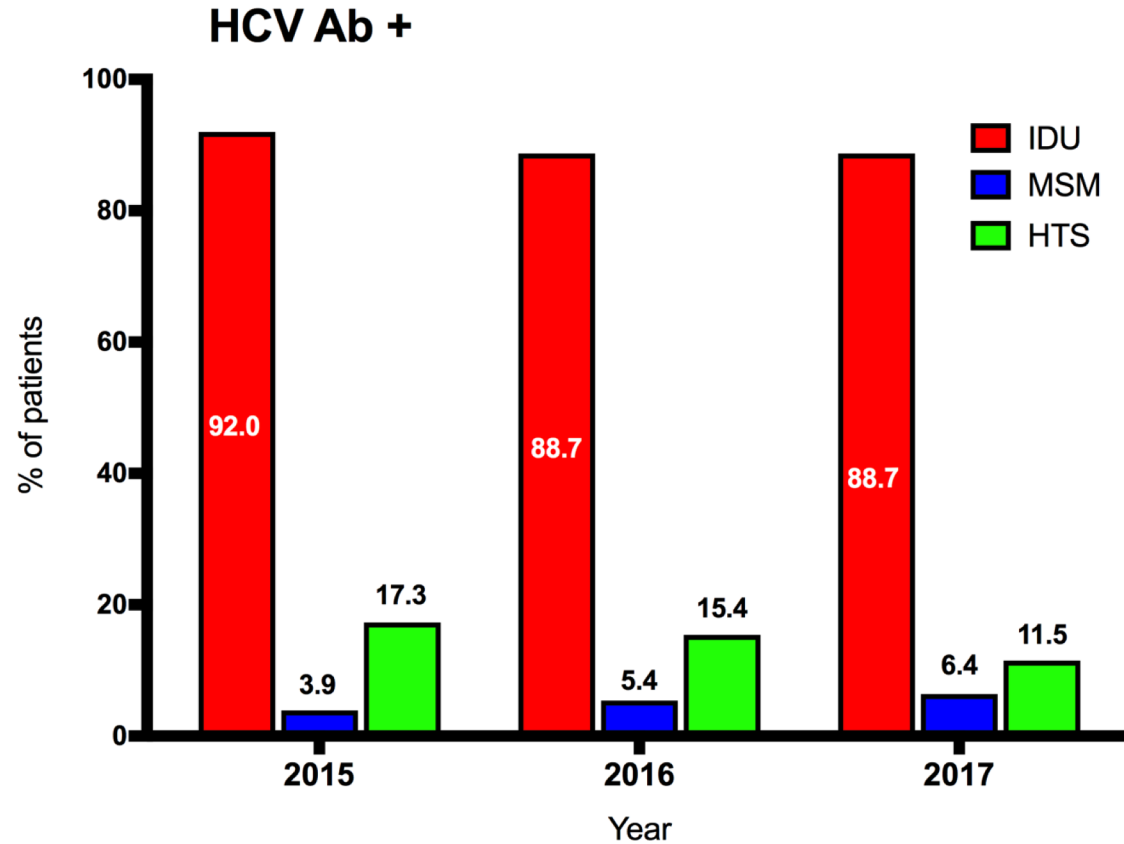


# HIV transmission categories among patients with active HCV infection



1. Berenguer J, González J, et al. Open Forum Infect Dis 2016;3:ofw059
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# HCV infection according to transmission category

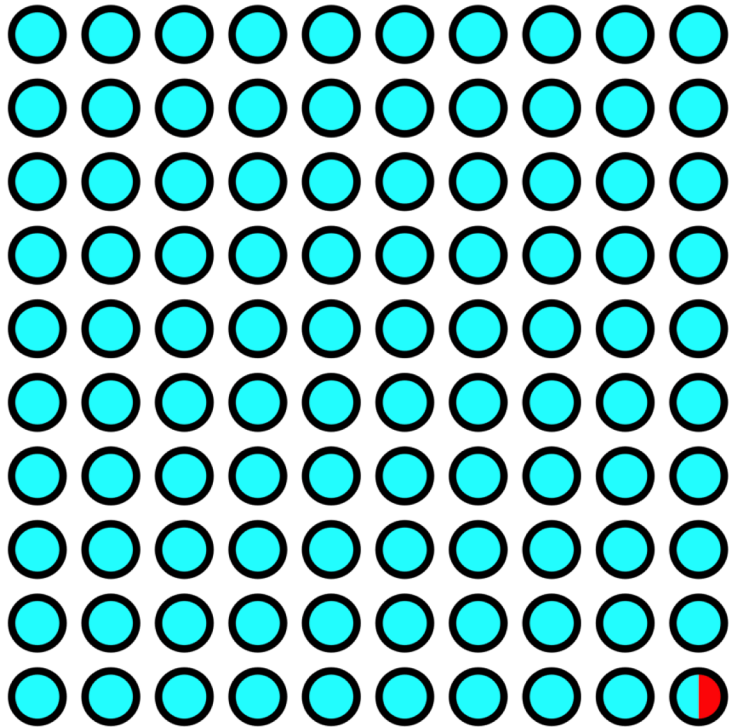


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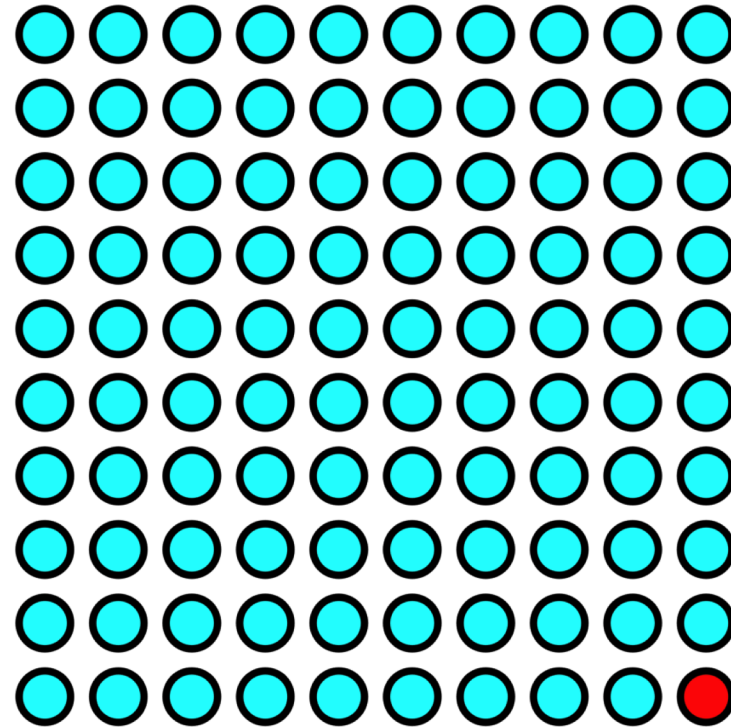
# Percentage of patients with reinfection\*

\*Patients with active HCV infection with a prior SVR

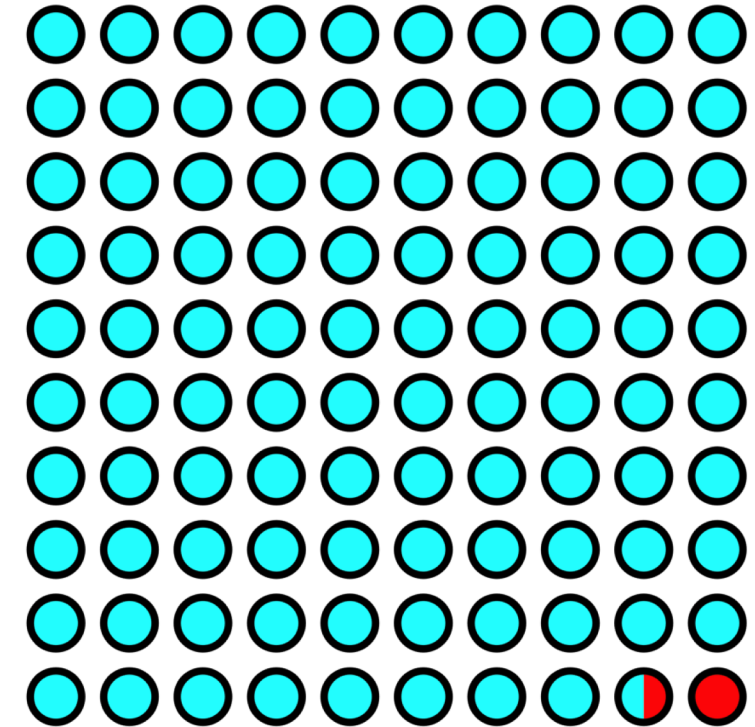
2015



2016



2017



 No reinfections       Reinfections

1. Berenguer J, González J, et al. Open Forum Infect Dis 2016;3:ofw059
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# Features of liver cirrhosis in patients with active HCV and those who cleared HCV following anti-HCV therapy (SVR)

	Active HCV N = 134	Clearance of HCV after SVR N = 344	<i>P</i>
Liver cirrhosis, n (%)	14 (10.4)	97 (28.2)	<0.001
Decompensated cirrhosis, n (%)	4 (28.6)	8 (8.3)	0.02
Hepatocellular carcinoma, n (%)	1 (7.1)	2 (2.1)	0.28
Serum albumin, median (IQR)	3.8 (2.9 – 4.4)	4.5 (4.2 – 4.8)	<0.001
Patients with FIB-4, n (%)	14 (100.0)	96 (99.0)	
FIB-4 value - Median (IQR)	6.7 (1.9 – 12.1)	2.1 (1.4 – 3.4)	0.002
Patients with TE, n (%)	10 (71.4)	94 (96.9)	
Last TE value – kPa, median (IQR)	15.3 (12.5 – 17.2)	15.2 (10.9 – 21.1)	0.94

# GeSIDA 8514 Study Group

**Principal Investigators:** J Berenguer and J González

**Study Coordinator:** H Esteban - **Statistician:** I Jarrin

**Hospital Gregorio Marañón, Madrid:** C Fanciulli, L Pérez-Latorre, P Miralles, JC López, F Parras, B Padilla, T Aldámiz, A Carrero, C Díez, F Tejerina, and J Berenguer. **Hospital La Paz, Madrid:** V Hontañón, MJ Núñez, R Micán, F Arnalich, JR Arribas, JI Bernardino, ML Martín-Carbonero, R Montejano, ML Montes, V Moreno, I Pérez-Valero, C Navarro, E Valencia, and J González-García. **Hospital Ramón y Cajal, Madrid:** MJ Vivancos, S Moreno, A Moreno, JL Casado, MJ Pérez-Elías, and C Quereda. **Hospital 12 de Octubre, Madrid:** L Domínguez, A Hernando, O Bisbal, M De Lagarde, M Matarranz, Rafael Rubio, and F Pulido. **Hospital Vall d'Hebrón, Barcelona:** J Navarro, A Torrella, and N Ramos. **Hospital Clínico San Carlos, Madrid:** M Rodrigo, V Estrada, J Vergas, and MJ Téllez. **Hospital Santa Creu i Sant Pau, Barcelona:** J Muñoz, M Gutiérrez, G Mateo, and JM Guardiola. **Hospital Donostia, San Sebastián:** M Ibarguren, MP Carmona, F Rodríguez-Arrondo, MA Goenaga, H Azkune, MA Von Wichmann, and JA Iribarren. **Hospital Reina Sofía, Córdoba:** T Brieva, A Camacho, IM Machuca, A Rivero-Juárez, and A Rivero-Román. **Hospital Virgen de la Victoria, Málaga:** J Ruiz, E Nuño, R Palacios, J Santos, and M Márquez. **Hospital Doctor Peset, Valencia:** J Carmena, and A Artero. **Hospital Universitario Alvaro Cunqueiro, Vigo:** L Morano, and M Crespo. **Hospital de la Princesa, Madrid:** L García, S Otero, J Sanz, and I Santos. **Hospital Miguel Servet, Zaragoza:** J Moreno, and P Arazo. **Hospital Marques de Valdecilla, Santander:** C Armiñanzas, S Echevarría, M Gutiérrez-Cuadra, and MC Fariñas. **Hospital Clínico de Valencia, Valencia:** A Ferrer, and MJ Galindo. **Hospital La Fe, Valencia:** M, Montero, M Tacias, S Cuellar, E Calabuig, M Blanes, J Fernández, J López-Aldeguer, and M Salavert. **Hospital Son Llátzer, Palma de Mallorca:** C Cifuentes. **Hospitales Universitarios Arnau de Vilanova y Santa María, Lleida:** P Domingo. **Hospital Príncipe de Asturias, Alcalá de Henares:** J de Miguel, A Arranz, E Casas, and J Sanz. **Hospital Universitario Basurto, Bilbao:** OL Ferrero, S Ibarra, I López, M de la Peña, Z Zubero, J Baraia, and J Muñoz. **Hospital de Cabueñes, Gijón:** M Campoamor, MJ Tuya, and B de la Fuente. **Centro Sanitario Sandoval, Madrid:** C Rodríguez, T Puerta, M Raposo, M Vera, and J Del Romero. **Hospital General de Alicante, Alicante:** S Reus, L Giner, E Merino, V Boix, D Torrús, I Portilla, M Pampliega, M Díez, I Egea, and J Portilla. **Complejo Hospitalario Universitario de Granada, Granada:** D Vinuesa, L Muñoz, and J Hernández-Quero. **Hospital Universitario de Getafe, Getafe:** G Gaspar. **Hospital San Pedro -CIBIR: Logroño:** L García, L Pérez, and JA Oteo. **Hospital Virgen de las Nieves, Granada:** C García. **Hospital de Mataró, Mataró:** L Force, and P Barrufet. **Hospital Universitari de Tarragona Joan XXIII, Tarragona:** S Veloso, J Peraire, C Viladés, M Vargas, A Castellano, and F Vidal. **Hospital Fundación de Alcorcón, Alcorcón:** M Velasco, L Moreno, R Hervás, and JE Losa. **Hospital Universitari de Vic, Vic:** J Vilaró. **Hospital Reina Sofía, Murcia:** A Cano, A Alcaráz, A Muñoz, and E Bernal. **Hospital Universitario de Torrejón: Torrejón de Ardoz:** A Gimeno, C Montero, and S Arponen. **Hospital Virgen de la Cinta, Tortosa:** AJ Orti, E Chamarro, and C Escrig. **Hospital Virgen de la Concha, Zamora:** A Chocarro. **Hospital de Sierrallana, Torrelavega:** R Teira. **Hospital Rafael Méndez, Lorca:** G Alonso, C Toledo, Al Peláez, G Lara, I Fernández, and MC Esteban. **Hospital San Eloy-OSI, Baracaldo:** R Silvariño. **Hospital Infanta Elena, Valdemoro:** A Vegas. **Hospital Virgen de la Luz, Cuenca:** P Geijo. **Hospital d'Olot i Comarcal de la Garrotxa, Olot:** J Bisbe. **Instituto de Salud Carlos III, Madrid:** I Jarrín.