

# **2007 Hotel Occupancy Survey**

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## **1. Presentation**

This publication presents the results corresponding to the Hotel Occupancy Survey (formerly the Survey on the Movement of Travellers in Hotel Establishments).

The data provided give notice of the two aspects considered when analysing tourist trends: with regards to demand, there is information on travellers, overnight stays and average stay distributed by country of residence of the travellers and category of the establishment they are staying in or by Autonomous Community of origin in the case of Spanish travellers. As regards the supply, information includes the estimated number of establishments open for the season, estimated number of vacancies, level of occupancy and information on employment in the sector, in terms of the category of the establishment.

This information is offered monthly, on a national, autonomous community, provincial and tourist area level.

The National Statistics Institute thanks all the Managers and Owners of the Hotel Establishments that have taken part for their help, without which this publication could not have been possible.

## **2. Objectives**

The main objective of the Hotel Occupancy Survey is to ascertain the behaviour of a series of variables which allow us to describe the basic characteristics of the hotel sector.

### **3. Statistical unit**

This statistic is monthly and the data refers to the activity carried out by the hotel establishments situated within the national territory.

The population object of the study is constituted by all the hotel establishments existing within the national territory, registered as such in the corresponding Tourist Offices of the Autonomous Communities. A hotel establishment is understood to be all units that render hotel accommodation services (hotel, apartment hotel, motel, hostel, B&B, boarding house, guest house), situated in the same geographic location and in which one or more persons work on behalf of the same company. Hotel establishments are classified according to their category, gold and silver, and within these by the number of stars. The category of the establishment is assigned by the Tourist Offices of the Autonomous Communities and varies from one autonomous community to another.

## **4. Definitions**

### **4.1 Estimated number of open hotel establishments**

A hotel establishment open for the season is understood to be that establishment in which the month of reference is included within its opening period.

### **4.2 Estimated vacancies**

The number of vacancies estimated by the survey of the hotel establishments open for the season.

The number of vacancies is equal to the number of fixed beds in the establishment. Extra beds are not included and double beds are considered as two vacancies.

### **4.3 Travellers**

All persons who stay for one or more consecutive nights in the same accommodation.

Travellers are classified by their country of residence, and people residing in Spain are classified by the Autonomous Community they usually live in

### **4.4 Overnight stays or occupied vacancies**

An overnight stay or occupied vacancy is understood to be each night that a traveller stays in the establishment.

As occurs with travellers, overnight stays are broken down according to place of residence.

### **4.5 Average Stay**

This variable is an approximation to the number of days which, on average, the travellers stay at the establishments, and is calculated as the quotient between the overnight stays and the number of travellers.

### **4.6 Level of occupancy by rooms**

The ratio, as a percentage, between the average daily number of rooms occupied in the month and the total number of rooms available.

### **4.7 Level of occupancy by vacancies**

Ratio, as a percentage, between the total number of overnight stays and the product of the vacancies, including extra beds, by the days the overnight stays refer to.

Extra beds are those that do not have a fixed nature and are not included in the vacancies declared officially by the establishment but do appear in the directory.

### **4.8 Level of occupation by vacancies at weekends**

Ratio, as a percentage, between overnight stays on Friday and Saturday that are in the reference week and the product of the vacancies, including extra beds for those two days, by the days the overnight stays refer to, in this case two.

#### **4.9 Occupied personnel**

Defined as the group of people, remunerated and not remunerated, who contribute with their work to the production of goods and services in the establishment during the reference period of the survey, even when they work outside the premises.

#### **4.10 HOLIDAY LOCATION**

Municipality with a significant tourist offer.

#### **4.11 Holiday area**

The group of municipalities in which there is an abundance of tourists. Information on the main areas of tourist interest is offered.

##### **Costa de Almería**

Adra, El Ejido, Roquetas de Mar, Níjar, Carboneras, Mojácar, Vera, Cuevas del Almanzora, Pulpí, Almería, Garrucha.

##### **Costa de la Luz de Cádiz**

Barbate, Conil de la Frontera, Chiclana de la Frontera, Chipiona, El Puerto Sta María, Puerto Real, Rota, San Fernando, Sanlúcar de Barrameda, Tarifa, Vejer de la Frontera, Algeciras, Línea de la Concepción, San Roque, Cádiz.

##### **Costa Tropical (Granada)**

Almuñecar, Itrabo, Salobreña, Motril, Sorvilán, Gualchos, Lújar, Polopos, Albuñol.

##### **Costa de la Luz de Huelva**

Ayamonte, Isla Cristina, Lepe, Punta Umbría, Palos de la Frontera, Moguer, Almonte, Cartaya.

##### **Costa del Sol (Málaga)**

Manilva, Estepona, Marbella, Mijas, Fuengirola, Benalmádena, Torremolinos, Rincón de la Victoria, Vélez-Málaga, Algarrobo, Torrox, Nerja, Málaga.

##### **Costa Verde (Asturias)**

Avilés, Caravia, Carreño, Castrillón, Castropol, Coaña, Colunga, Cudillero, El Franco, Gijón, Gozón, Valdés, Llanes, Muros de Nalón, Navia, Ribadedeva, Ribadesella, Soto del Barco, Tapia de Casariego, Villaviciosa

##### **Mallorca**

All the municipalities in the Balearic Islands not included in Menorca or Ibiza-Formentera.

##### **Palma - Calviá**

Andraitx, Calviá, Palma de Mallorca.

## **Menorca**

Alaitor, Es Castell, Ciutadella de Menorca, Ferreries, Mahon, Es Mercadal, Es Migjorn Gran, Sant Lluís.

## **Ibiza-Formentera**

Eivissa, Formentera, San Jose, Sant Antoni de Portmany, San Joan de Labritja, Santa Eulalia del Rio.

## **Gran Canaria**

Agete, Agüimes, Artenara, Arucas, Firgas, Gáldar, Ingenio, Mogán, Moya, Las Palmas de G. Canaria, San Bartolomé de Tirajana, San Nicolás de Tolentino, Santa Brígida, Santa Lucía, Santa M<sup>a</sup> de Guía de G.C., Tejada, Telde, Teror, Valsequillo de G.C., Valleseco, Vega de San Mateo.

## **South of Gran Canaria**

San Bartolomé de Tirajana, Mogán

## **Lanzarote**

Arrecife, Haría, San Bartolomé, Teguisse, Tías, Tinajo, Yaiza.

## **Fuerteventura**

Antigua, Betancuria, La Oliva, Pajara, Puerto del Rosario, Tuineje.

## **Tenerife**

Adeje, Arafo, Arico, Arona, Buenavista del Norte, Candelaria, Fasnia, Garachico, Granadilla de Abona, La Guancha, Guía de Isora, Güimar, Icod de los Vinos, La Laguna, La Matanza de Acentejo, La Orotava, Puerto de la Cruz, Los Realejos, El Rosario, San Juan de la Rambla, San Miguel, Santa Cruz de Tenerife, Santa Ursula, Santiago del Teide, Sauzal, Los Silos, Tacoronte, Tanque, Tegueste, Victoria de Acentejo, Vilaflor.

## **South of Tenerife**

Adeje, Arico, Arona, Candelaria, Fasnia, Granadilla de Abona, Guía de Isora, San Miguel del Pino, Santiago del Teide, Vilaflor

## **La Gomera**

Agulo, Alajeró, Hermigua, S. Sebastián de la Gomera, Valle Gran Rey, Vallehermoso.

## **La Palma**

Barlovento, Breña Alta, Breña Baja, Fuencaliente de la Palma, Garafía, Los Llanos de Aridane, El Paso, Punta Gorda, Puntallana, San Andrés y Sauces, Santa Cruz de la Palma, Tazacorte, Tijarafe, Villa de Mazo.

## **Hierro**

Frontera, Valverde.

## **Costa Esmeralda**

Laredo

## **Costa de Barcelona (Barcelona)**

Badalona, Barcelona, Hospitalet de Llobregat, Sant Adrià de Besós, Santa Coloma de Gremenet.

### **Costa del Garraf (Barcelona)**

Abrera, Avinyonet del Penedés, Begues, Les Cabanyes, Canyelles, Castelldefels, Castellet i la Gornal, Castellví de la Marca, Castellví de la Rosanes, Cervelló, Collbató, Corbera de Llobregat, Cornellá de Llobregat, Cubelles, Esparreguera, Esplugues de Llobregat, Font-rubí, Gavá, Gelida, La Granada, Martorell, Mediona, Molins de Rei, Olérdola, Olesa de Bonesvalls, Olesa de Montserrat, Olivella, Pacs del Penedés, Pallejá, El Papiol, El Pla del Penedés, Pontons, El Prat del Llobregat, Puigdàlber, Sant Andreu de la Barca, Sant Boi de Llobregat, Sant Climent de Llobregat, Sant Cugat Sesgarrigues, Sant Esteve Sesrovires, Sant Feliú de Llobregat, Sant Joan Despí, Sant Just Desvern, Sant Llorenç d'Hortons, Sant Martí Sarroca, Sant Pere de Ribes, Sant Pere de Riudebitlles, Sant Quintí de Mediona, Sant Sadurní d'Anoia, Santa Coloma de Cervelló, Santa Fe del Penedés, Santa Margarida, Sant Vicenc dels Horts, Sitges, Subirats, Torrelavit, Torrelles de Foix, Torrelles de Llobregat, Vallirana, Viladecans, Vilobi del Penedés, Villafranca del Penedés, Vilanova i la Geltrú, La Palma de Cervelló.

### **Costa del Maresme (Barcelona)**

Alella, Arenys de Mar, Arenys de Munt, Argentona, Cabrera de Mar, Cabrils, Caldes d'Estrac, Calella, Canet de Mar, Dosrius, Malgrat de Mar, El Masnou, Mataró, Montgat, Orrius, Palafolls, Pineda de Mar, Premià de Mar, Sant Iscle de Vallalta, Sant Andreu de Llavaneres, Sant Cebrià de Vallalta, Vilassar de Dalt, Vilassar de Mar, Premià de Dalt, Sant Pol de Mar, Santa Susanna, Sant Vicenc de Montalt, Teià, Tiana, Tordera.

### **Costa Brava (Gerona)**

Agullana, Aiguaviva, Albanyá, Albons, El Far d'Empordá, Amer, Anglés, Arbúcies, L'Armentera, Avinyonet de Puigventós, Begur, La Vajol, Banyoles, Báscara, Bellcaire d'Empordá, Bescanó, La Bisbal d'Empordá, Blanes, Bordils, Borrassá, Breda, Brunyola, Boadella d'Empordá, Cabanes, Cabanelles, Cadaqués, Caldes de Malavella, Calonge, Camós, Campllong, Canet d'Adri, Cantallops, Capmany, Cassá de la Selva, Castelló d'Empúries, Castell-Platja d'Aro, Celrà, Cervià de Ter, Cistella, Siurana, Colera, Colomers, Cornellá del Terri, Gorcá, Crespià, Darnius, L' Escala, Espolla, Esponella, Figueres, Foixá, Fontanilles, Fontcorbeta, Fornells de la Selva, Fortià, Garrigás, Garrigoles, Garriguella, Flaca, Girona, Gualta, Hostalric, Jafre, La Jonquera, Juiá, Lladó, Llagostera, Llambilles, Llancá, Llers, Lloret de Mar, Madremanya, Masarac, Massanes, Macanet de Cabrenys, Macanet de la Selva, Mollet de Peralada, Mont-Ras, Navata, Ordis, Osor, Palafrugell, Palamós, Palau de Santa Eulàlia, Palau-Saverdera, Palau-Sator, Palol de Revardit, Pals, Parlavá, Pau, Pedret i Marzá, La Pera, Peralada, Pont de Molins, Pontós, Porqueres, Portbou, El Port de la Selva, Quart, Rabós, Regencós, Riels i Viabrea, Riudarenes, Riudellots de la Selva, Riumors, Roses, Rupiá, Salt, Sant Andreu Salou, Sant Climent Sescebes, Sant Feliu de Buixalleu, Sant Feliu de Guixols, Sant Gregori, Sant Hilari Sacalm, Sant Jordi Desvalls, Sant Joan de Mollet, Sant Julià de Ramis, Sant Llorenç de la Muga, Sant Martí de Llémena, Sant Martí Vell, Sant Miquel de Campmajor, Sant Miquel de Fluviá, Sant Mori, Sant Pere Pescador, Santa Coloma de Farners, Santa Cristina d'Aro, Santa Llogaia d'Alguema, Sarrià de Ter, Saus, La Selva de Mar, La Celleria de Ter, Serinyá, Serra de Daró, Sils, Susqueda, La Tallada d'Empordá, Terrades, Torrent, Torroella de Fluviá, Torroella de Montgrí, Tossa de Mar, Ultramort, Ullá, Ullastret, Vall-Llobrega, Ventalló, Verges, Vidreres, Vilabertran, Vilablareix, Viladasens, Viladamat, Vilademuls, Vilafant, Vilaur, Vilajuiga, Vilamacolum, Vilamalla,

Vilamaniscle, Vilanant, Vila-Sacra, Vilopriu, Vilobí d'Onyar, Biure, Cruilles, Forallac, Sant Julià del Llor.

### **Costa Daurada (Tarragona)**

Covers all the municipalities of the province of Tarragona.

### **Costa Blanca (Alicante)**

Benidorm, Alfaz del Pí, Altea, Calpe, El Campello, Denia, Elche, Finestrat, Guardamar del Segura, Orihuela, Pilar de la Horadada, Santa Pola, Teulada, Torrevieja, El Verger, Villajoyosa, Javea, Alicante.

### **Costa Azahar (Castellón)**

Vinaroz, Benicarló, Peñíscola, Alcalá de Chivert, Torreblanca, Oropesa del Mar, Benicàssim, Castellón de la Plana, Almassora, Burriana, Nules, Moncófa, Chilches, Almenara.

### **Costa Valencia (Valencia)**

Canet d'En Berenguer, Sagunto, La Pobla de Farnals, Cullera, Tavernes de la Valldigna, Gandía, Piles, Oliva.

### **Costa Da Morte (A Coruña)**

Arteixo, Laracha, Carballo, Malpica, Ponteceso, Cabana, Laxe, Camariñas, Muxia, Cee, Fisterra, Corcubión

### **Rías Altas (A Coruña)**

Mañón, Ortigueira, Cariño, Cedeira, Valdoviño, Ferrol, Mugargos, Ares, Cabanas, Pontedeume, Miño, Bergondo, Sada, Oleiros, A Coruña

### **Costa A Mariña Lucense (Lugo)**

O Vicedo, Viveiro, Xove, Cervo, Burela, Foz, Barreiros, Ribadeo.

### **Rías Baixas (Pontevedra and A Coruña)**

Carnota, Muros, Outes, Noia, Porto do Son, Ribeira, Pobra do Caramiñal, Boiro, Rianxo, Vilagarcía de Arousa, Vilanova de Arousa, Cambados, Ribadumia, Meaño, O Grove, Sanxenxo, Poio, Pontevedra, Marin, Bueu, Cangas, Moaña, Vilaboa, Soutomaior, Redondela, Vigo, Migran, Baiona, Oia, O Rosal, A Guarda.

### **Costa Cálida (Murcia)**

Águilas, Los Alcázares, Cartagena, Mazarrón, San Javier, San Pedro del Pinatar, La Unión.

### **Costa Guipuzcoana**

Hondarribia, Pasaia, Donostia, Orío, Zarauzt, Getaria, Zumaia, Deba.

### **Costa Vizcaína**

Ondarroa, Berriatua, Mendexa, Lekeitio, Ispaster, Ea, Ibarranguelua, Elantxobe, Mundaka, Bermeo, Bakio, Pentzia, Munguía, Lemoiz, Gorliz, Barrica, Sopelana, Getxo, Santurtzi, Abanto, Muskiz.

## **Aragón Pyrenees**

Abiego, Abizanda, Adahuesca, Agüero, Aisa, Alquézar, Ansó, Aragüés del Puerto, Arén, Arguis, Azanuy-Alins, Baélls, Bailo, Baldellou, Bárcabo, Benabarre, Benasque, Bielsa, Bierge, Biescas, Bisaurri, Boltaña, Bonansa, Borau, Broto, Caldearenas, Campo, Camporrélls, Canal de Berdún, Canfranc, Capella, Casbas de Huesca, Castejón de Sos, Castiello de Jaca, Castigaleu, Castillonroy, Colungo, Chía, Estopiñán del Castillo, Fago, Fanlo, Fiscal, Foradada del Toscar, La Fueva, Gistaín, El Grado, Graus, Hoz de Jaca, Isábena, Jaca, Jasa, Labuerda, Lascuarre, Laspaúles, Laspuña, Monesma y Cajigar, Montanuy, Naval, Nuevo, Olvena, Palo, Panticosa, Las Peñas de Riglos, Peralta de Calasanz, Perarrúa, Plan, La Puebla de Castro, Puente de Montañana, Puértolas, El Pueyo de Araguás, Sabiñánigo, Sahún, Salas Altas, Sallent de Gállego, San Juan de Plan, Santa Cilia de Jaca, Santa Cruz de la Serós, Santaliestra y San Quílez, Secastilla, Seira, Sesué, Sopeira, Tella-Sin, Tolva, Torla, Torre la Ribera, Valle de Bardají, Valle de Lierp, Veracruz, Viacamp y Litera, Villanova, Villanúa, Yebra de Basa, Yésero, Valle de Hecho, Puente la Reina de Jaca, Santa María de Dulcis, Aínsa-Sobrarbe, Hoz y Costean, Artieda, Asín, Bagüés, El Frago, Iserre, Lobera de Onsella, Longás, Luesia, Mianos, Murillo de Gállego, Navardún, Orés, Los Pintanos, Salvatierra de Esca, Santa Eulalia de Gállego, Sigüés, Sos del Rey Católico, Uncastillo, Undués de Lerda, Urriés, Biel-Fuencalderas.

## **Cataluña Pyrenees**

Alpens, Avià, Bagà, Berga, Borredà, Capolat, Caserres, Castellar del Riu, Castellar de n'Hug, Castell de l'Areny, L' Espunyola, Fígols de les Mines, Gironella, Gisclareny, Guardiola de Berguedà, Lluçà, Montclar, Montesquiú, Montmajor, La Nou de Berguedà, Olvan, Orís, Perafita, La Pobla de Lillet, Prats de Lluçanès, Puig-reig, La Quar, Sagàs, Saldes, Sant Agustí de Lluçanès, Sant Bartomeu del Grau, Sant Boi de Lluçanès, Sant Jaume de Frontanyà, Sant Martí d'Albars, Sant Pere de Torelló, Sant Quirze de Besora, Santa Maria de Besora, Santa Maria de Corcó, Santa Maria de Merlès, Sant Vicenç de Torelló, Cercs, Sobremunt, Sora, Tavertet, Vallcebre, Vilada, Viver i Serrateix, Rupit i Pruit, Sant Julià de Cerdanyola, Agullana, Albanyà, Alp, Argelaguer, La Vajol, Besalú, Beuda, Bolvir, Boadella d'Empordà, Campdevàrol, Campelles, Camprodon, Cantallops, Queralbs, Castellfollit de la Roca, Colera, Darnius, Das, Espolla, Fontanals de Cerdanya, Ger, Gombrèn, Guils de Cerdanya, Isòvol, La Jonquera, Llanars, Llançà, Llúvia, Les Llosses, Maià de Montcal, Meranges, Maçanet de Cabrenys, Mieres, Molló, Montagut, Ogassa, Olot, Pardines, Les Planes d'Hostoles, Planols, Portbou, Les Preses, Puigcerdà, Rabós, Ribes de Freser, Ripoll, Riudaura, Sales de Llierca, Sant Climent Sescebes, Sant Feliu de Pallerols, Sant Ferriol, Sant Jaume de Llierca, Sant Joan de les Abadesses, Vallfogona de Ripollès, Sant Llorenç de la Muga, Sant Pau de Segúries, Sant Aniol de Finestres, Santa Pau, Sant Joan les Fonts, Setcases, Terrades, Tortellà, Toses, Urús, La Vall d'en Bas, La Vall de Bianya, Vidrà, Vilallonga de Ter, Biure, Abella de la Conca, Ager, Alàs i Cerc, Alins, Alòs de Balaguer, Alt Aneu, Naut Aran, Aristot i Toloriu, Arres, Arsguel, Artesa de Segre, Les Avellanès i Santa Linya, Baix Pallars, La Baronia de Rialb, Barruera, Bassella, Bausen, Bellver de Cerdanya, Les Bòrdes, Bossòst, Cabanabona, Cabó, Camarasa, Canejan, Castellar de la Ribera, Cava, Clariana de Cardener, Coll de Nargó, Espot, Esterrí d'Aneu, Esterrí de Cardós, Estamariu, Farrera, Foradada, Gavet de la Conca, Gósol, Guixers, Isona i Conca Dellà, Les, Lladurs, Llavorsí, Lles, Llimiana, Llobera, Montellà i Martinet, Montferrer i Castellbò, Navès, Odèn, Oliana, Oliola, Olius, Organyà, Os de Balaguer, Pallars Jussà, La Coma i la Pedra, Peramola, Pinell de Solsonès, Pinós, La Pobla de Segur, Ponts, El Pont de Suert, Prats i Sansor, Prullans, Rialp, Ribera d'Urgellet, Riner, Salàs de Pallars, Sant Llorenç de Morunys, Sant Esteve de la Sarga, Sarroca de Bellera, Senterada, La Seu d'Urgell, Solsona,

Soriguera, Sort, Talarn, Tírvia, Tiurana, La Torre de Cabdella, Tremp, Les Valls de Valira, Vielha e Mijaran, Vilaller, Vilamòs, Vilanova de l'Aguda, Vilanova de Meià, Vall de Cardós, La Guingueta i Jou, Castell de Mur, Les Valls d'Aguilar, Fígols i Alinyà, La Vansa i Fórnoles, Josa i Tuixén, Riu de Cerdanya.

### **Navarra Pyrenees**

Abárzuza, Abaurregaina/Abaurrea Alta, Abaurrepea/Abaurrea Baja, Adiós, Aibar, Altsasu/Alsasua, Allín, Améscoa Baja, Anue, Añorbe, Aoiz/Agoitz, Araitz, Arandarache, Arantza, Arano, Arakil, Arbizu, Arce, Areso, Aria, Aribes, Arruazu, Artazu, Atez, Bakaiku, Barásoain, Basaburua, Baztan, Belascoáin, Bertizarana, Betelu, Biurrun-Olcoz, Auritz/Burguete, Burgui, Cáseda, Castillonuevo, Ziordia, Cirauqui, Ciriza, Donamaria, Etxalar, Echarri, Etxarri-Aranatz, Elgorriaga, Enériz, Eratsun, Ergoiena, Erro, Ezcároz, Eslava, Esparza de Salazar, Esteribar, Eulate, Ezkurra, Ezprogui, Gallipienzo, Gallués, Garaioa, Garde, Garínoain, Garralda, Goizueta, Goñi, Güesa, Guesálaz, Guirguillano, Uharte-Arakil, Ibargoiti, Imotz, Irañeta, Isaba, Ituren, Iturmendi, Izagaondoa, Izalzu, Jaurrieta, Javier, Juslapeña, Beintza-Labaien, Lakuntza, Lana, Lantz, Larraona, Larraun, Leache, Legarda, Leitza, Leoz, Lerga, Lesaka, Lezáun, Liédena, Lizoáin, Lónguida, Lumbier, Mañeru, Metauten, Monreal, Muruzábal, Navascués, Obanos, Ochagavía, Odieta, Oitz, Olazti/Olazagutía, Olóriz, Ollo, Orbaitzeta, Orbara, Orísoain, Oronz, Oroz-Betelu, Petilla de Aragón, Puente la Reina/Gares, Pueyo, Romanzado, Roncal, Orreaga/Roncesvalles, Sada, Saldías, Salinas de Oro, Sangüesa, San Martín de Unx, Doneztebe/Santesteban, Sarriés, Sunbilla, Tiebas-Muruarte de Reta, Tirapu, Ucar, Ujué, Ultzama, Unciti, Unzué, Urdazubi/Urdax, Urdiain, Urraul Alto, Urraul Bajo, Urroz, Urrotz, Urzainqui, Uterga, Uztárroz, Luzaide/Valcarlos, Bera/Vera de Bidasoa, Vidángoz, Vidaurreta, Hiriberri/Villanueva de Aezkoa, Igantzi, Yerri, Yesa, Zabalza, Zubieta, Zugarramurdi, Urbasa-Andía, Lekunberri.

### **País Vasco Pyrenees**

Amurrio, Aramaio, Arrazua-Ubarrundia, Asparrena, Ayala, Barrundia, Zigoitia, Cuartango, Elburgo, Salvatierra o Agurain, San Millán, Urkabustaiz, Valle de Arana, Legutiano, Zaldondo, Zuya, Abaltzisketa, Aduna, Albiztur, Alegia, Alkiza, Altzo, Amezketa, Anoeta, Antzuola, Arama, Aretxabaleta, Asteasu, Ataun, Aia, Beasain, Beizama, Belauntza, Berastegi, Berrobi, Bidegoyan, Zegama, Zerain, Zizurkil, Elduain, Eskoriatza, Ezkio-Itsaso, Gainza, Gabiria, Hernialde, Ibarra, Idiazabal, Ikaztegieta, Irura, Itsasondo, Larraul, Lazkao, Leaburu, Legazpi, Legorreta, Lizartza, Mutiloa, Olaberria, Oñati, Oresa, Ormaiztegi, Oiartzun, Errezil, Leintz-Gatzaga, Segura, Tolosa, Villabona, Ordizia, Urretxu, Zaldibia, Zumárraga, Baliarrain, Alzaga, Orendain, Gaztelu, Abadiño, Zeanuri, Dima, Mañaria, Otxandio, Orduña, Orozko, Ubide, Atxondo.

## 5. Framework of the survey and sample design

As the framework for the selection of the sample the directories of the Tourist Offices of the Autonomous Communities and other sources will be used, in which appear, amongst other, the following data for each establishment: name, address, category, normal opening period, number of vacancies and rooms

The survey is exhaustive in all the provinces, except in some categories for the provinces which are outlined below:

Provinces	Islands	3 gold		2 gold		1 gold		2 and 3 silver		1 silver
Alicante		2/3		2/3		2/3				<b>See annexed page</b>
Balears	Mallorca	1/3	1/2	1/2		1/3		1/3		
	Menorca	2/3								
	Ibiza-Formentera	1/2		2/3				1/2		
Barcelona		2/3		2/3		2/3		1/3		
Cádiz				2/3		2/3		2/3		
Ciudad Real								2/3		
La Coruña								1/2		
Gerona		2/3		2/3		1/2		1/2		
Granada		2/3		2/3				1/2		
Guipúzcoa								2/3		
Huesca								1/2		
León								2/3		
Lérida						2/3		1/2		
Madrid		2/3						1/3		
Málaga		2/3		2/3				1/2		
Navarra								2/3		
Asturias		2/3		1/2		1/2		1/2		
Pontevedra						2/3				
Cantabria								1/2		
Sevilla								2/3		
Tarragona								1/2		
Toledo								2/3		
Zaragoza								2/3		

The divisions of the islands of the province of Balears indicate summer and winter distinctions respectively.

Blank values indicate that they are exhaustive.

For the Silver Star category the survey is based on sampling in all provinces

\* Sample strata for the category 1 silver star by number of elements.

	<i>Province code</i>	<i>Number of elements</i>	
1		12	
2		24	
3		24	
4		24	
5		16	
6		24	
7			
	Mallorca	24	36
	Menorca	12	12
	Ibiza-Formentera	24	36
8		40	
9		24	
10		30	
11		36	
12		24	
13		20	
14		16	
15		70	
16		24	
17		24	
18		30	
19		20	
20		16	
21		16	
22		16	
23		16	
24		36	
25		24	
26		20	
27		61	
28		64	
29		16	
30		12	
31		24	
32		35	
33		36	
34		24	
35			
	Gran Canaria	12	
	Fuerteventura	4	
	Lanzarote	4	
36		39	
37		30	
38			
	Tenerife	12	
	La Palma	4	
	Gomera	8	
	Hierro	4	
39		36	
40		20	
41		24	
42		20	
43		12	
44		12	

45  
46  
47  
48  
49  
50  
51  
52  
53

20  
24  
20  
8  
20  
30  
8  
4

## 6. Estimates

### VARIABLES USED

E = number of establishments open during the month, existing in the directory

ET = number of establishments existing in the directory

e = number of establishments that respond to the survey (incidents 1 and 2)

e' = number of establishments that answer the monthly survey (with incidents 1 and 2 in the monthly questionnaire)

c = number of sample establishments that are closed within their opening period (incident 3)

c' = number of establishments that are closed within their opening period (with incident 3 in the monthly questionnaire)

P = number of vacancies according to the directory

N' = number of supplementary vacancies used

H = number of rooms according to the directory

V = number of travellers checked in

VM = number of travellers checked in during the whole month

N = number of occupied vacancies (overnight stays)

NM = number of occupied vacancies (overnight stays) during the whole month

B = number of occupied rooms

T = employed personnel

AC = percentage of employed personnel dedicated to accommodation activities

ES = average stay

BD = number of occupied double rooms

BI = number of occupied single rooms

GP = level of occupancy by vacancies

GH = level of occupancy by rooms

D = number of days of the reference month (28, 29, 30, 31)

dm = number of days the establishment has been open during the reference month

M = price of the room according to the different rates

A = percentage of implementation of the different rates considering the total number of occupied rooms

I1 = percentage of establishments that have a website / web page

I2 = percentage of establishments that use the Internet as a means to contract their services

I3 = percentage of establishments that use the Internet to advertise their establishment

I4 = percentage of occupied rooms booked using the Internet

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THE SUB INDICES USED ARE:

I = establishment

j = province

K = category (5, 4, 3, 2, 1 gold: 3, 2 and 1 silver)

m = modality (professional situation, place of residence, month, etc.)

t= rate: 1 (normal), 2 (weekend), 3 (tour operator), 4 (companies), 5 (groups), 6 (others)

The following two groups of estimates will be obtained:

1.- *Estimators using the week*: these will only be used for establishments with 1 and 2 gold stars, 1 and 2 silver stars and non-comprehensive categories in Galicia, for the dissemination and calculation of interannual rates.

2.- *Estimators with monthly totals and with dm*: calculated for all provinces with establishments with 3, 4 and 5 gold stars and comprehensive strata in Galicia.

### ***Estimators using the week***

#### **Estimate of the number of establishments open in the month**

$$\hat{E}_{jk} = E_{jk} \cdot \frac{e_{jk}}{e_{jk} + c_{jk}}$$

#### **A) Estimate of the number of vacancies in the establishments open in the month**

$$\hat{P}_{jk} = \sum_{i=1}^{E_{jk}} P_{ijk} \cdot \frac{\sum_{i=1}^{e_{jk}} P_{ijk}}{\sum_{i=1}^{e_{jk}} P_{ijk} + \sum_{i=1}^{c_{jk}} P_{ijk}}$$

#### **A) Estimate of the number of travellers checked in during the month**

$$\bar{V}_{jkm} = \sum_{i=1}^{e_{jk}} V_{ijkm} \cdot \frac{D}{7} \cdot \frac{\bar{P}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}$$

**m** = place of residence

### C) Estimate of occupied vacancies(Overnight stays)

$$\bar{N}_{jkm} = \sum_{i=1}^{e_{jk}} N_{ijkm} \cdot \frac{D}{7} \cdot \frac{\bar{P}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}$$

**m** = Place of residence (same as for travellers)

#### C.1) Estimate of occupied vacancies by travellers that contract the accommodation through tour-operators

$$\text{for } t=3, \bar{N}_{jkt} = \sum_{i=1}^{e_{jk}} N_{ijk} \cdot A_{ijkt} \cdot \frac{D}{7} \cdot \frac{\bar{P}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}$$

#### C.2) Estimate of occupied extra vacancies or overnight stays in said extra vacancies

$$\hat{N}'_{jk} = \sum_{i=1}^{e_{jk}} N'_{ijk} \cdot \frac{D}{7} \cdot \frac{\bar{P}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}$$

### D) Estimate of the average stay

#### D.1) Average stay by categories

$$\hat{ES}_{jk} = \frac{\sum_m \hat{N}_{jkm}}{\sum_m \hat{V}_{jkm}}$$

#### D.2) Average stay by country of residence

$$\hat{ES}_{jm} = \frac{\sum_k \hat{N}_{jkm}}{\sum_k \hat{V}_{jkm}}$$

**m** = place of residence

### E) Estimate of employed personnel

$$\hat{T}_{jkm} = \sum_{i=1}^{e_{jk}} T'_{ijkm} \cdot \frac{\hat{P}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}, \text{ where: } T'_{ijkm} = T_{ijkm} \cdot AC_{ijk},$$

**m** = professional situation

## F) Occupied rooms

Previously it is necessary to calculate the number of rooms existing in the open establishments:

$$\hat{H}_{jk} = \sum_{i=1}^{E_{jk}} H_{ijk} \cdot \frac{\sum_{i=1}^{e_{jk}} H_{ijk}}{\sum_{i=1}^{e_{jk}} H_{ijk} + \sum_{i=1}^{c_{jk}} H_{ijk}}$$

### F.1) Total of occupied rooms:

$$\hat{B}_{jk} = \sum_{i=1}^{e_{jk}} B_{ijk} \frac{D}{7} \frac{\hat{H}_{jk}}{\sum_{i=1}^{e_{jk}} H_{ijk}}; \quad \hat{B}_j = \sum_k \hat{B}_{jk}$$

### F.2) Occupied double rooms:

$$\hat{BD}_{jk} = \sum_{i=1}^{e_{jk}} BD_{ijk} \frac{D}{7} \frac{\hat{H}_{jk}}{\sum_{i=1}^{e_{jk}} H_{ijk}}; \quad \hat{BD}_j = \sum_k \hat{BD}_{jk},$$

### F.3) Occupied single rooms:

$$\hat{BI}_{jk} = \sum_{i=1}^{e_{jk}} BI_{ijk} \frac{D}{7} \frac{\hat{H}_{jk}}{\sum_{i=1}^{e_{jk}} H_{ijk}}; \quad \hat{BI}_j = \sum_k \hat{BI}_{jk},$$

## G) Estimate of the level of occupancy(percentage)

### G.1).Net level of occupancy by vacancies

$$\hat{GP}_{jk} = \frac{\sum_m \sum_{i=1}^{e_{jk}} N_{ijkm}}{7 \sum_{i=1}^{e_{jk}} P_{ijk} + \sum_{i=1}^{e_{jk}} N'_{ijk}} \cdot 100$$

**m** = place of residence

For the set of categories

$$\hat{GP}_j = \frac{\sum_k \hat{GP}_{jk} \cdot \hat{P}_{jk}}{\sum_k \hat{P}_{jk}}$$

**m** = place of residence

### G.2). Net level of occupancy by vacancies at weekends

$$\hat{GP}^{fs}_{jk} = \frac{\sum_m \sum_{i=1}^{e_{jk}} N^{fs}_{ijkm}}{2 \sum_{i=1}^{e_{jk}} P_{ijk} + \sum_{i=1}^{e_{jk}} N^{fs}_{ijk}} \cdot 100$$

**m** = place of residence

For the set of categories

$$\hat{GP}^{fs}_j = \frac{\sum_k \hat{GP}^{fs}_{jk} \cdot \hat{P}_{jk}}{\sum_k \hat{P}_{jk}}$$

### G.3). Net level of occupancy by rooms

$$\hat{GH}_{jk} = \frac{\sum_{i=1}^{e_{jk}} B_{ijk}}{7 \cdot \sum_{i=1}^{e_{jk}} H_{ijk}} \cdot 100$$

and for the set of categories

$$\hat{GH}_j = \frac{\sum_k \hat{GH}_{jk} \cdot \hat{H}_{jk}}{\sum_k \hat{H}_{jk}}$$

### G.4) Gross level of occupancy by vacancies

$$\hat{GP}^B_{jk} = \frac{\hat{N}_{jk}}{D \sum_{i=1}^{ET_{jk}} P_{ijk} + \hat{N}_{jk}} \cdot 100$$

For the set of categories

$$\hat{GP}^B_j = \frac{\sum_k \hat{N}_{jk}}{\sum_k \left( D \sum_{i=1}^{ET_{jk}} P_{ijk} + \hat{N}'_{jk} \right)}$$

### G.5).Gross level of occupancy by rooms

$$\hat{GH}^B_{jk} = \frac{\hat{B}_{jk}}{D \cdot \sum_{i=1}^{ET_{jk}} H_{ijk}} \cdot 100$$

and for the set of categories

$$\hat{GH}^B_j = \frac{\sum_k \hat{B}_{jk}}{D \cdot \sum_k \sum_{i=1}^{ET_{jk}} H_{ijk}} \cdot 100$$

### H) Estimate of the hotel price

$$\bar{M}_{jk} = \frac{\sum_{i=1}^{e'_{jk}} M_{ijk} \cdot P_{ijk}}{\sum_{i=1}^{e'_{jk}} P_{ijk}}, \text{ where } M_{ijk} = \sum_{t=1}^6 M_{ijkt} \cdot A_{ijkt}$$

(where  $e'$  represents the ensemble of establishments (in  $e$ ) for which  $M_{ijk} \neq 0$ )

for the set of categories

$$\bar{M}_j = \frac{\sum_k \bar{M}_{jk} \cdot \bar{P}_{jk}}{\sum_k \bar{P}_{jk}}$$

for geographical grouping R,

$$\bar{M}_{Rk} = \frac{\sum_{j \in R} \bar{M}_{jk} \cdot \bar{P}_{jk}}{\sum_{j \in R} \bar{P}_{jk}}$$

for the set of categories,

$$\bar{M}_R = \frac{\sum_{j \in R} \sum_k \bar{M}_{jk} \cdot \bar{P}_{jk}}{\sum_{j \in R} \sum_k \bar{P}_{jk}}$$

## I.-) Level of occupancy expected

$$\hat{GE}_{jk} = \frac{\sum_{i=1}^{e^*_{jk}} GE_{ijk} \cdot H_{ijk}}{\sum_{i=1}^{e^*_{jk}} H_{ijk}}$$

*e\**: establishments open in the month the level of occupancy expected refers to and that have answered in the month in progress.

For the province total (category aggregate):

$$\hat{GE}_j = \frac{\sum_k \hat{GE}_{jk} \cdot \hat{H}_{jk}}{\sum_k \hat{H}_{jk}}$$

## J) Use of the Internet

### J.1) Percentage of establishments that have a website / web page:

$$I1_{ijk} = \begin{cases} 1 & \text{SÍ} \\ 0 & \text{NO} \end{cases} \quad \hat{I1}_{jk} = \frac{\sum_{i=1}^{e_{jk}} I1_{ijk}}{e_{jk}} \times 100; \quad \hat{I1}_j = \frac{\sum_k \hat{I1}_{jk} \hat{E}_{jk}}{\sum_k \hat{E}_{jk}}$$

### J.2) Percentage of establishments that use the Internet as a means to contract services:

$$I2_{ijk} = \begin{cases} 1 & \text{SÍ} \\ 0 & \text{NO} \end{cases} \quad \hat{I2}_{jk} = \frac{\sum_{i=1}^{e_{jk}} I2_{ijk}}{e_{jk}} \times 100; \quad \hat{I2}_j = \frac{\sum_k \hat{I2}_{jk} \hat{E}_{jk}}{\sum_k \hat{E}_{jk}}$$

### J.3) Percentage of establishments that use the Internet for advertising:

$$I3_{ijk} = \begin{cases} 1 & \text{SÍ} \\ 0 & \text{NO} \end{cases} \quad \hat{I3}_{jk} = \frac{\sum_{i=1}^{e_{jk}} I3_{ijk}}{e_{jk}} \times 100; \quad \hat{I3}_j = \frac{\sum_k \hat{I3}_{jk} \hat{E}_{jk}}{\sum_k \hat{E}_{jk}}$$

### J.4) Percentage of occupied rooms booked using the Internet::

$$\hat{I4}_{jk} = \frac{\sum_{i=1}^{e_{jk}} I4_{ijk} B_{ijk}}{\sum_{i=1}^{e_{jk}} B_{ijk}}; \quad \hat{I4}_j = \frac{\sum_k \hat{I4}_{jk} \hat{B}_{jk}}{\sum_k \hat{B}_{jk}}$$

## **Estimators with monthly totals and with dm**

As well as calculating the aforementioned estimators, the operation also performed the following estimates using the variables included in the monthly module for establishments with 3, 4 and 5 gold stars and those from comprehensive strata in Galicia:

VM = number of travellers checked in during the whole month

NM = number of occupied vacancies (overnight stays) during the whole month

dm = number of days the establishment has been open during the reference month

e' = number of establishments that answer the monthly survey (with incidents 1 and 2 in the monthly questionnaire)

c' = number of establishments that are closed within their opening period (with incident 3 in the monthly questionnaire). Always less than or equal to c.

### **Estimate of the number of establishments open in the month**

$$\hat{EM}_{jk} = E_{jk} \cdot \frac{\sum_{i=1}^{e'_{jk}} \frac{dm_{ijk}}{D}}{e'_{jk} + c'_{jk}}$$

#### **A) Estimate of the number of vacancies in the establishments open in the month**

$$\hat{PM}_{jk} = \sum_{i=1}^{E_{jk}} P_{ijk} \cdot \frac{\sum_{i=1}^{e'_{jk}} P_{ijk} \cdot \frac{dm_{ijk}}{D}}{\sum_{i=1}^{e'_{jk}} P_{ijk} + \sum_{i=1}^{c'_{jk}} P_{ijk}}$$

#### **B) Estimate of number of travellers checking in during the month**

$$VM^*_{jk} = \sum_{i=1}^{e'_{jk}} VM_{ijk} \cdot \frac{\hat{PM}_{jk}}{\sum_{i=1}^{e'_{jk}} P_{ijk} \cdot \frac{dm_{ijk}}{D}}; VM^*_{jkm} = VM^*_{jk} \cdot \frac{\hat{V}_{jkm}}{\sum_m \hat{V}_{jkm}}$$

m = Place of residence (as before)

#### **C) Estimate of occupied vacancies (Overnight stays)**

$$NM^*_{jk} = \sum_{i=1}^{e'_{jk}} NM_{ijk} \cdot \frac{\hat{PM}_{jk}}{\sum_{i=1}^{e'_{jk}} P_{ijk} \cdot \frac{dm_{ijk}}{D}}; NM^*_{jkm} = NM^*_{jk} \cdot \frac{\hat{N}_{jkm}}{\sum_m \hat{N}_{jkm}}$$

m = Place of residence (as before)

**C.1) Estimate of occupied vacancies by travellers that contract the accommodation through tour-operators**

$$\text{for } t=3, \hat{A}_{jkt} = \frac{\sum_{i=1}^{e_{jk}} A_{ijkt} \cdot B_{ijk}}{\sum_{l=1}^{e_{jk}} B_{iljk}}; \hat{NM}^*_{jkt} = \hat{A}_{jkt} \cdot \hat{NM}^*_{jk}$$

**C.2) Estimate of occupied extra vacancies or overnight stays in said extra vacancies**

$$\hat{N}^*_{jk} = \sum_{i=1}^{e_{jk}} N'_{ijk} \cdot \frac{D}{7} \cdot \frac{\hat{PM}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}$$

**D) Estimate of the average stay**

**D.1) Average stay by categories**

$$\hat{ES}^*_{jk} = \frac{\sum_m \hat{NM}^*_{jkm}}{\sum_m \hat{VM}^*_{jkm}}$$

**D.2) Average stay by country of residence**

$$\hat{ES}^*_{jm} = \frac{\sum_k \hat{NM}^*_{jkm}}{\sum_k \hat{VM}^*_{jkm}}$$

m = place of residence

**E) Estimate of employed personnel**

$$\hat{T}^*_{jkm} = \sum_{i=1}^{e_{jk}} T'_{ijk} \cdot \frac{\hat{PM}_{jk}}{\sum_{i=1}^{e_{jk}} P_{ijk}}, \text{ where: } T'_{ijk} = T_{ijk} \cdot AC_{ijk},$$

m = professional situation

**F) Occupied rooms**

Previously it is necessary to calculate the number of rooms existing in the open establishments:

$$\hat{HM}_{jk} = \sum_{i=1}^{E_{jk}} H_{ijk} \cdot \frac{\sum_{i=1}^{e'_{jk}} H_{ijk} \cdot \frac{dm_{ijk}}{D}}{\sum_{i=1}^{e'_{jk}} H_{ijk} + \sum_{i=1}^{c'_{jk}} H_{ijk}}$$

**F.1) Total of occupied rooms:**

$$\hat{B}^*_{jk} = \sum_{i=1}^{e_{jk}} B_{ijk} \frac{D \hat{HM}_{jk}}{7 \sum_{i=1}^{e_{jk}} H_{ijk}}; \hat{B}^*_j = \sum_k \hat{B}^*_{jk}$$

**F.2) Occupied double rooms:**

$$\hat{BD}^*_{jk} = \sum_{i=1}^{e_{jk}} BD_{ijk} \frac{D \hat{HM}_{jk}}{7 \sum_{i=1}^{e_{jk}} H_{ijk}}; \hat{BD}^*_j = \sum_k \hat{BD}^*_{jk},$$

**F.3) Occupied single rooms:**

$$\hat{BI}^*_{jk} = \sum_{i=1}^{e_{jk}} BI_{ijk} \frac{D \hat{HM}_{jk}}{7 \sum_{i=1}^{e_{jk}} H_{ijk}}; \hat{BI}^*_j = \sum_k \hat{BI}^*_{jk},$$

**G) Estimate of the level of occupancy (percentage)**

**G.1).Net level of occupancy by vacancies**

$$\hat{GP}^*_{jk} = \frac{NM^*_{jk}}{D \cdot \hat{PM}_{jk} + \hat{N}^*_{jk}} \cdot 100$$

For the set of categories

$$\hat{GP}^*_j = \frac{\sum_k \hat{GP}^*_{jk} \cdot \hat{PM}_{jk}}{\sum_k \hat{PM}_{jk}}$$

**G.2).Net level of occupancy by rooms**

$$\hat{GH}^*_{jk} = \frac{\hat{B}^*_{jk}}{D \cdot \hat{HM}_{jk}} \cdot 100$$

and for the set of categories

$$\hat{GH}^*_j = \frac{\sum_k \hat{GH}^*_{jk} \cdot \hat{HM}_{jk}}{\sum_k \hat{HM}_{jk}}$$

**G.3). Level of occupancy expected**

For the province total (category aggregate):

$$\hat{GE}^*_j = \frac{\sum_k \hat{GE}_{jk} \cdot \hat{HM}_{jk}}{\sum_k \hat{HM}_{jk}}$$

## J) Use of the Internet

### J.1) Percentage of establishments that have a website / web page

$$\hat{I1}^*_j = \frac{\sum_k \hat{I1}_{jk} \hat{EM}_{jk}}{\sum_k \hat{EM}_{jk}}$$

### J.2) Percentage of establishments that use the Internet as a means to contract services:

$$\hat{I2}^*_j = \frac{\sum_k \hat{I2}_{jk} \hat{EM}_{jk}}{\sum_k \hat{EM}_{jk}}$$

### J.3) Percentage of establishments that use the Internet for advertising:

$$\hat{I3}^*_j = \frac{\sum_k \hat{I3}_{jk} \hat{EM}_{jk}}{\sum_k \hat{EM}_{jk}}$$

### J.4) Percentage of occupied rooms booked using the Internet:

$$\hat{I4}^*_j = \frac{\sum_k \hat{I4}_{jk} \hat{B}^*_{jk}}{\sum_k \hat{B}^*_{jk}}$$

## **7. Collection of the information**

The enquiry pertaining to basic data refers to one full week of the month, randomly selected, in such a way that all the establishments cover the whole month between them.

A second enquiry is performed regarding the total number of travellers checked in and overnight stays caused during the month the data refer to, in the strata of three, four and five gold stars and in the comprehensive strata of the four provinces of Galicia.

Information is provided monthly by hotel establishments, via a questionnaire which is forwarded to the National Statistical Institute.

## **8. Dissemination of the information**

The information is presented on different levels of geographical breakdown: national, autonomous community, provincial, tourist areas and regions. All areas have been considered (group of municipalities) as well as the municipalities in which there is an abundance of tourists.