

RARE HHS Dashboard for Socioeconomic Data Visualization

Tool Objective

This tool summarizes information collected through the Fish Forever Household Survey (HHS). The HHS contains defined-answer questions assessing respondents' livelihoods, engagement with the local fishery, resilience to economic shocks, social capital, knowledge of fishing regulations, attitudes towards and participation in fisheries management, and perceptions of current management approaches.

Metadata

Here is the metadata associated with the HHS dataset. Please refer to the [HHS Guidance document](#) for the survey questions and specific answers. Each HHS question starts with a number (1 to 83). Other columns are information regarding administration levels, management levels, date of survey, submission ids, etc. The data is divided in **eight data files** depending on the type of questions asked. The data files can be joined by the unique *submissionid* column for analysis: The data files are:

hh_surveys - Most questions

hh_people - Q7

hh_responsibilities - Q14

hh_activities - Q15

hh_meeting - Q44

hh_leadership - Q45

hh_enforcement - Q48

hh_customers - Q69

The following is the list of unique column names for the entire HHS data and associated **metadata** (variable types, answer codes, notes):

id: Unique numeric identifier

country: Country name

level1_name: Subnational government name (usually State or Province)

level2_name: Local government name (usually Municipality or District)

level3_name: Sublocal government name (usually Subdistrict)

level4_name: Community or Village name

level4_id: Community or Village unique ID linked to level4_name (can be used to join datasets)

lat: Latitude of the Community in decimal degrees

lon: Longitude of the Community in decimal degrees

ma_name: Managed Access Area name (proposed or established)

ma_area: Managed Access Area in hectares

ma_status: Managed Access Area status (Proposed or Established)

reserves: Number of reserves within the the Managaed Access Area

reserve_status: Reserve status (Proposed or Established)

username: User name for entering data in FastField (no available in data downloads)
submissionid: Unique submission Id from FastField
updatedat: Submission date as Factor in year-month-day:time format ("2019:-07-12T03:01:46")
startformtimestamp: Start time of the survey
endformtimestamp: End time of the survey
1_interviewer: Name of interviewer
2_affiliation: Affiliation of interviewer
3_community: Name of community or village
4_ma_r_mb: This was a filtering question and answers weren't recorded in the database
5_hh_status: Household status of interviewed person
6_gender: Sex of the interviewee
7_gender: Factor, 2 levels (Sex: M, F), blank OR NA (not answered)
7_age: Integer, blank OR NA (not answer)
7_relationship: Factor, 10 levels, blank OR NA (not answered)
7_education: Factor, 6 levels, blank OR NA (not answered)
8_religion: Religion of the household head (dropdown list)
8_religion_other: Other religion not in the list above
9_region_member: Region identification: 1 (Yes), 0 (No), NA (not answered)
9_region_name: Region name
10_mpa_important: 1 (Yes), 0 (No), -1 (Neutral), NA (not answered)
11a_months_farming: 1-12 (Jan - Dec), NA (not answered)
11a_income_farming: 0-100 (percent), NA (not answered)
11b_months_harvesting: 1-12 (Jan - Dec), NA (not answered)
11b_income_harvesting: 0-100 (percent), NA (not answered)
11c_months_fishing_artisanal: 1-12 (Jan - Dec), NA (not answered)
11c_income_fishing_artisanal: 0-100 (percent), NA (not answered)
11d_months_fishing_industrial: 1-12 (Jan - Dec), NA (not answered)
11d_income_fishing_industrial: 0-100 (percent), NA (not answered)
11e_months_buying_trading: 1-12 (Jan - Dec), NA (not answered)
11e_income_buying_trading: 0-100 (percent), NA (not answered)
11f_months_processing: 1-12 (Jan - Dec), NA (not answered)
11f_income_processing: 0-100 (percent), NA (not answered)
11g_months_aquaculture: 1-12 (Jan - Dec), NA (not answered)
11g_income_aquaculture: 0-100 (percent), NA (not answered)
11h_months_extraction: 1-12 (Jan - Dec), NA (not answered)
11h_income_extraction: 0-100 (percent), NA (not answered)
11i_months_tourism: 1-12 (Jan - Dec), NA (not answered)
11i_income_tourism: 0-100 (percent), NA (not answered)
11j_months_other_wage: 1-12 (Jan - Dec), NA (not answered)
11j_income_other_wage: 0-100 (percent), NA (not answered)
11k_other_source: Names of other source of income not in the list
11k_months_other: 1-12 (Jan - Dec), NA (not answered)
11k_income_other: 0-100 (percent), NA (not answered)
12a_fishing_men: Integer, NA (not answered)
12b_fishing_women: Integer, NA (not answered)

12c_fishing_children: Integer, NA (not answered)
13a_processing_men: Integer, NA (not answered)
13b_processing_women: Integer, NA (not answered)
13c_processing_children: Integer, NA (not answered)
14_responsibility: Factor, 6 levels, may vary by country, blank OR NA (not answered)
14_responsibilities_other: Factor, names of other responsibilities
15_activity: Factor, many levels, open answer, blank OR NA (not answered)
15_hours: Integer (0-168), values >168 should be ignore as that is more than the number of hours in a week
16_hh_main_fisher: Factor, 6 levels, blanks (not answered)
16_hh_other_fisher: Name of other option in question 16
17_fishing_low_profit: Factor, 9 levels (first HHS version had different options than the last version)
18_fishing_high_profit: Factor, 12 levels (first HHS version had different options than the last version)
19_current_fish_catch: Factor, 5 levels, blanks (not answered)
20a_gear_hand: 1 (Yes), 0 (No), NA (not answered)
20b_gear_stationary_net: 1 (Yes), 0 (No), NA (not answered)
20c_gear_mobile_net: 1 (Yes), 0 (No), NA (not answered)
20d_gear_stationary_line: 1 (Yes), 0 (No), NA (not answered)
20e_gear_mobile_line: 1 (Yes), 0 (No), NA (not answered)
20f_gear_explosives: 1 (Yes), 0 (No), NA (not answered)
20g_gear_other: 1 (Yes), 0 (No), NA (not answered)
21_boat_owner_status: Factor, 5 levels, blanks (not answered)
22_catch_5yrs: Factor, 5 levels, blanks (not answered)
23_job_secure: 1 (Yes), 0 (No), NA (not answered)
24a_item_radio_no: Integer, NA (not answered)
24a_item_radio_value: 1 (Yes), 0 (No), NA (not answered)
24b_item_tv_no: Integer, NA (not answered)
24b_item_tv_value: 1 (Yes), 0 (No), NA (not answered)
24c_item_satellite_no: Integer, NA (not answered)
24c_item_satellite_value: 1 (Yes), 0 (No), NA (not answered)
24d_item_phone_no: Integer, NA (not answered)
24d_item_phone_value: 1 (Yes), 0 (No), NA (not answered)
24e_item_washing_maching_no: Integer, NA (not answered)
24e_item_washing_machine_value: 1 (Yes), 0 (No), NA (not answered)
24f_item_generator_no: Integer, NA (not answered)
24f_item_generator_value: 1 (Yes), 0 (No), NA (not answered)
24g_item_fridge_no: Integer, NA (not answered)
24g_item_fridge_value: 1 (Yes), 0 (No), NA (not answered)
24h_item_motorboat_no: Integer, NA (not answered)
24h_item_motorboat_value: 1 (Yes), 0 (No), NA (not answered)
24i_item_outboard_no: Integer, NA (not answered)
24i_item_outboard_value: 1 (Yes), 0 (No), NA (not answered)
24j_item_inboard_no: Integer, NA (not answered)
24j_item_inboard_value: 1 (Yes), 0 (No), NA (not answered)

24k_item_sailboat_no: Integer, NA (not answered)
24k_item_sailboat_value: 1 (Yes), 0 (No), NA (not answered)
24l_item_bicycle_no: Integer, NA (not answered)
24l_item_bicycle_value: 1 (Yes), 0 (No), NA (not answered)
24m_item_motorcycle_no: Integer, NA (not answered)
24m_item_motorcycle_value: 1 (Yes), 0 (No), NA (not answered)
24n_item_car_no: Integer, NA (not answered)
24n_item_car_value: 1 (Yes), 0 (No), NA (not answered)
24o_item_internet_no: Integer, NA (not answered)
24o_item_internet_value: 1 (Yes), 0 (No), NA (not answered)
24p_item_other_no: Integer, NA (not answered)
24p_item_other_specify: Name of asset not in the list
24p_item_other_value: 1 (Yes), 0 (No), NA (not answered)
25a_financial_bank: 1 (Yes), 0 (No), NA (not answered)
25b_financial_micro: 1 (Yes), 0 (No), NA (not answered)
25c_financial_ngo: 1 (Yes), 0 (No), NA (not answered)
25d_financial_lender: 1 (Yes), 0 (No), NA (not answered)
25e_financial_insurance: 1 (Yes), 0 (No), NA (not answered)
25f_financial_other: 1 (Yes), 0 (No), NA (not answered)
26_fishing_income_save: 1 (Yes), 0 (No), NA (not answered)
27a_emergency_personal: 1 (Yes), 0 (No), NA (not answered)
27b_emergency_family: 1 (Yes), 0 (No), NA (not answered)
27c_emergency_friend: 1 (Yes), 0 (No), NA (not answered)
27d_emergency_entrepreneur: 1 (Yes), 0 (No), NA (not answered)
27e_emergency_savings_club: 1 (Yes), 0 (No), NA (not answered)
27f_emergency_lender: 1 (Yes), 0 (No), NA (not answered)
27g_emergency_commercial_ind: 1 (Yes), 0 (No), NA (not answered)
27h_emergency_commercial_group: 1 (Yes), 0 (No), NA (not answered)
27i_emergency_microfinance_ind: 1 (Yes), 0 (No), NA (not answered)
27j_emergency_microfinance_group: 1 (Yes), 0 (No), NA (not answered)
27k_emergency_ngo_ind: 1 (Yes), 0 (No), NA (not answered)
27l_emergency_ngo_group: 1 (Yes), 0 (No), NA (not answered)
27m_emergency_insurance: 1 (Yes), 0 (No), NA (not answered)
27n_emergency_other: Names of others type of emergency funds
28_buyer_loans: 1 (Yes), 0 (No), NA (not answered)
28_loan_purpose: Open answer, it should be categorized
29_family_income: Factor, 3 levels
30_trust_local_decision: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)
30_trust_regional_decision: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)
30_trust_community: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)
30_trust_village_alert: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)
30_trust_religious_leaders: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5

(strongly agree), 6 (i dont know), NA (not answered)

30_trust_ngo: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)

30_trust_fishers_community: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)

30_trust_fishers_other: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)

30_trust_community_neighbors: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 6 (i dont know), NA (not answered)

31_my_community_ability: Factor, 6 levels, blanks (not answered)

32_fishery_benefit_equal: 1 (Yes), 0 (No), -1 (no depend on or benefit from fishery), NA (not answered)

33_ma_familiar: 1 (Yes), 0 (No), -1 (skipped household), NA (not answered)

34_gear_restrictions1 (Yes), 0 (No), -1 (community does not have a managed area), NA (not answered)

35a_ma_gear_nets: Factor, 3 levels, NA (not answered), na (not answered)

35b_ma_gear_dynamite: Factor, 3 levels, NA (not answered), na (not answered)

35c_ma_gear_hookline: Factor, 3 levels, NA (not answered), na (not answered)

35d_ma_gear_harpoon: Factor, 3 levels, NA (not answered), na (not answered)

35e_ma_gear_trawl: Factor, 3 levels, NA (not answered), na (not answered)

35f_ma_gear_mosquito: Factor, 3 levels, NA (not answered), na (not answered)

35g_ma_gear_poison: Factor, 3 levels, NA (not answered), na (not answered)

35h_ma_gear_gillnet: Factor, 3 levels, NA (not answered), na (not answered)

35i_ma_gear_gamboa:Factor, 3 levels, NA (not answered), na (not answered)

35j_ma_gear_quinia: Factor, 3 levels, NA (not answered), na (not answered)

35k_ma_gear_other: Factor, 3 levels, NA (not answered), na (not answered)

36_fish_size_restriction: 1 (Yes), 0 (No), -1 (Community does not have a managed area), NA (not answered)

37_fish_catch: Factor, many levels (open answer)

37_ability_min_size: 1 (Yes), 0 (No), NA (not answered)

37_ability_max_size: 1 (Yes), 0 (No), NA (not answered)

38_reserve_fishing_allowed: 1 (Yes), 0 (No), -1 (Community does not have a reserve area), NA (not answered)

39_ma_boundaries_aware: Factor, 6 levels, na (not answered)

40_reserve_boundaries_aware: Integer 0-10 in last HHS verison, but as factor (5 levels) for Mozambique

41_ma_fishers_allowed: Factor, 9 levels, na (not answered)

42a_problem_regulation: 1 (Yes), 0 (No), NA (not answered)

42b_problem_restricted_gear: 1 (Yes), 0 (No), NA (not answered), -1 (not answered, 1st hhs had NA as default)

42c_problem_undersize: 1 (Yes), 0 (No), NA (not answered), -1 (not answered)

42d_problem_inside_reserve: 1 (Yes), 0 (No), NA (not answered), -1 (not answered)

42e_problem_unauthorized: 1 (Yes), 0 (No), NA (not answered), -1 (not answered)

43_ma_benefits: 1 (Yes), 0 (No), NA (not answered), -1 (not answered)

43_ma_benefits_opinion: Factor, many levels, open answer

44_meeting_attendance: Factor, 5 levels, blanks or na (nor answered)

45_leadership_position: Factor, 5 levels, blanks or na (not answered)
46_represent_interests: Factor, 4 levels, na (not answered)
47_represent_contributions: Factor, 4 levels, na (not answered)
48_enforcement_participation: Factor, 4 levels, blanks OR na (not answered)
49_enforcement_responsible: Factor, 5 levels (multiple choice allowed), na OR blanks (not answered)
50_ma_punishment: Factor, 6 levels, na (not answered)
51a_fishers_gear_not_permitted: Integer (0-10): NA (not answered), values >10 are entry errors
51b_fishers_reserves: Integer (0-10): NA (not answered), values >10 are entry errors
51c_fishers_ma_area: Integer (0-10): NA (not answered), values >10 are entry errors
51d_fishers_violate_fish_size: Integer (0-10): NA (not answered), values >10 are entry errors
51e_fishers_caught: Integer (0-10): NA (not answered), values >10 are entry errors
52_ma_benefit_5yrs: Factor, 4 levels, na OR blanks (not answered)
53_encourage_regulations: Factor, 6 levels, blanks (not answered)
54_food_availability: Factor, 5 levels, blanks (not answered)
55_worry_food: Factor, 3 levels, blanks (not answered)
56_reduce_meal_size_adult: 1 (Yes), 0 (No), NA (not answered)
57_reduce_meal_size_frequency: Factor, 3 levels, blanks (not answered)
58_reduce_meal_size_child: 1 (Yes), 0 (No), NA (not answered)
59_food_procurement: Factor, 5 levels, NA (not answered), “Very confident not” = “Very not confident”, “Confident not” = “Not confident”
60_hh_fish_consumption: Factor, 5 levels, blank (not answered)
61a_current_regulations: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61b_catch_recording: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61c_community_participation: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61d_strong_enforcement: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61e_violations_decrease_profit: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61f_rights_distribution_fair: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61g_fishing_change_behavior: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61h_individual_behavior: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
61i_help_neighbors: 1 (strongly disagree), 2 (disagree), 3 (neither), 4 (agree), 5 (strongly agree), 0 OR -1 (not answered), NA (not applicable)
62_reserve_compliance: Factor, 4 levels, blank (not answered), for Honduras there was a value coding issue, answers should be coded as:
 “La captura de los pescadores disminuirá” = “go down”,
 “2. La captura de los pescadores seguirá igual” = “stay the same”,

“3. La captura de los pescadores aumentará” = “go up”,

“4. No sabe” = “not know”

63_fishing_in_reserve: 1 (Yes), 0 (No), -1 OR NA (not answered)

63_times_fishing_reserve: Integer, NA (not answered)

64_wrong_fishing_reserve: Factor, 5 levels, blanks (not answered), for Honduras there was a value coding issue, answers should be coded as:

“1. Nada malo” = “not at all”,

“Un poquito malo” = “slightly”, “3. Moderadamente malo” = “moderately”,

“4. Muy malo” = “very wrong”,

“5. Extremadamente malo” = “extremely wrong”,

65_no_wrong_fishing_reserve: Integer (0-10), any values > 10 are data entry errors, NA (not answered)

66_response_fishing_reserve: 1 (Yes), 0 (No), -1 OR NA (not answered)

66_reaction_fishing_reserve: Factor, 3 levels, blanks (not answered), for Honduras there was a value coding issue, answers should be coded as:

“1. No aplicaría ninguna sanción” = “non-sanction”,

“2. Aplicaría una sanción negativa informal” = “negative informal sanction”,

“3. Aplicaría una sanción negativa formal” = “negative formal sanction”,

“1. Non-sanction” = “non-sanction”,

“2. Negative informal sanction” = “negative informal sanction”,

“Negative formal sanction” = “negative formal sanction”

67_reserve_boundry: 1 (Yes), 0 (No), -1 OR NA (not answered)

68_fish_eaten: Integer, this should be number or weight of fish eaten, NA (not answered), Other (data entry error)

68_fish_sold: Integer, this should be number or weight of fish sold, NA (not answered), Other (data entry error)

69_fish_type: Factor, many levels, open answer

69_street: Integer, fish price in local currency, blanks or NA (not answered)

69_customer_home: Integer, fish price in local currency, blanks or NA (not answered)

69_market: Integer, fish price in local currency, blanks or NA (not answered)

69_shop: Integer, fish price in local currency, blanks or NA (not answered)

69_fishing_company: Integer, fish price in local currency, blanks or NA (not answered)

69_restaurant: Integer, fish price in local currency, blanks or NA (not answered)

69_own_home: Integer, fish price in local currency, blanks or NA (not answered)

69_other: Integer, fish price in local currency, blanks or NA (not answered)

70_average_income: Integer, income in local currency, NA (not answered), for Honduras there are five income ranges, which are: 0-2500L, 2500-5000L, 5000-10000L, 10000-50000L, >50000L, L is lempira

71_post_hours_man: Integer, it should be < 24 (max hours per day), values > 24 should be discarded, NA (not answered)

71_post_income_man: Integer, income in local currency, NA (not answered), NA (not answered)

71_post_hours_woman: Integer, it should be < 24 (max hours per day), values > 24 should be discarded, NA (not answered)

71_post_income_woman: Integer, income in local currency, NA (not answered), NA (not answered)

72_current_economic: Factor, 5 levels, blank (not answered)
73_future_economic: Factor, 5 levels, blank (not answered)
74_housing_costs: Integer, values are in local currency, NA (not answered)
75_luxury_goods: Integer, values are in local currency, NA (not answered)
76_fishing_costs: Integer, values are in local currency, NA (not answered)
77_hh_ends_meet: Factor, 5 levels, blank (not answered)
78_financial_decisions: Factor, 4 levels, blank (not answered)
79_allow_reinterview: 1 (Yes), 0 (No), NA (not answered)
79_interview_years: Integer, NA (not answered)
80_full_name: Name of interviewee (CONFIDENTIAL)
81_name_other: Name of other interviewee (CONFIDENTIAL)
81_telephone_other: Phone number of interviewee
82_comments_interviewee: Text, open answer
83_comments_interviewer: Text, open answer